



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 156889

TO: Phuong N Huynh
Location: 3d75 / 3c70
Tuesday, June 21, 2005
Art Unit: 1644
Phone: 571-272-0846
Serial Number: 09 / 202464

From: Jan Delaval
Location: Biotech-Chem Library
Remsen 1a51
Phone: 571-272-2504

jan.delaval@uspto.gov

Search Notes

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Delaval, Jan

156889

From: Huynh, Phuong N.
Sent: Thursday, June 16, 2005 12:36 PM
To: Delaval, Jan
Subject: RE: 09/202,464

Jan,
Please search peptide of SEQ ID NO: 4, 6-10, 12-14, 16-18, 21-27, 29, and 32-36 (close) against interference databases.

Thanks,

Neon
Art Unit 1644
Office REM 3D75
Mail REM 3D70
Tel (571) 272-0846

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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: _____ Examiner #: _____ Date: _____
Art Unit: _____ Phone Number: 2- _____ Serial Number: _____
Location (Bldg/Room#): _____ (Mailbox #): _____ Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Date: _____

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

STAFF USE ONLY

Searcher: 6

Searcher Phone #: 22504

Searcher Location: _____

Date Searcher Picked Up: 6/20/05

Date Completed: 6/21/05

Searcher Prep & Review Time: 15

Online Time: +25

Type of Search

____ NA Sequence (#)

☒ AA Sequence (#) 25

____ Structure (#)

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____ Litigation

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____ Other

Vendors and cost where applicable

____ STN _____ Dialog

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☒ In-house sequence systems

☒ Commercial _____ Oligomer _____ Score/Length
☒ Interference _____ SPDI _____ Encode/Transl

____ Other (specify)

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-10

Perfect score: 102

Sequence: 1 IFSKNLNKLNMPYIAGNK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	102	100.0	20	14	US-10-354-240-11
2	60	58.8	15	14	US-10-354-240-29
3	59	57.8	15	14	US-10-354-240-30
4	39	38.2	15	14	US-10-354-240-28
5	38	37.3	15	14	US-10-354-240-31
6	37	36.3	19	14	US-10-402-954-42
7	35	34.3	13	10	US-09-809-391-714
8	35	34.3	13	10	US-09-882-171-714
9	35	34.3	13	15	US-10-164-861-714
10	31	30.4	11	17	US-10-777-893-150
11	31	30.4	18	9	US-09-071-838-244
					Sequence 11, Appl
					Sequence 29, Appl
					Sequence 30, Appl
					Sequence 28, Appl
					Sequence 31, Appl
					Sequence 42, Appl
					Sequence 714, Appl
					Sequence 714, Appl
					Sequence 150, Appl
					Sequence 244, Appl

12	30.4	18	14	US-10-213-512-244	Sequence 244, App
13	29.4	10	17	US-10-936-237-116	Sequence 116, App
14	29.4	13	14	US-10-012-543-525	Sequence 525, App
15	29.4	13	14	US-10-115-123-525	Sequence 525, App
16	29.4	14	14	US-10-206-699-113	Sequence 113, App
17	29.4	14	14	US-10-174-613-44	Sequence 44, Appl
18	29.4	17	9	US-09-741-106-12	Sequence 12, Appl
19	29.4	17	14	US-10-405-339-22	Sequence 22, Appl
20	29.4	17	17	US-10-918-366-12	Sequence 12, Appl
21	29.4	20	15	US-10-406-618-3	Sequence 3, Appl
22	28.4	10	9	US-09-767-460-65	Sequence 65, Appl
23	28.4	10	17	US-10-777-829-65	Sequence 65, Appl
24	28.4	10	17	US-10-818-067-65	Sequence 65, Appl
25	28.4	12	14	US-10-185-050-199	Sequence 199, App
26	28.4	14	9	US-09-927-180-12	Sequence 12, Appl
27	28.4	15	15	US-10-394-980-101	Sequence 101, App
28	28.4	16	15	US-10-436-715-456	Sequence 456, App
29	28.4	18	14	US-10-181-654-21	Sequence 35, Appl
30	28.4	20	9	US-09-813-333-72	Sequence 72, Appl
31	28.4	20	10	US-09-362-179-1	Sequence 1, Appl
32	28.4	20	13	US-10-044-703-72	Sequence 72, Appl
33	28.4	20	15	US-10-239-103-72	Sequence 72, Appl
34	28.4	20	9	US-09-834-765-335	Sequence 335, App
35	27.5	10	9	US-09-834-765-367	Sequence 367, App
36	27.5	10	9	US-09-834-765-367	Sequence 367, App
37	27.5	10	16	US-10-416-249-660	Sequence 660, App
38	27.5	14	14	US-10-164-030-10	Sequence 10, Appl
39	27.5	14	15	US-10-460-125-10	Sequence 10, Appl
40	27.5	14	15	US-10-460-124-10	Sequence 10, Appl
41	27.5	14	16	US-10-639-067-191	Sequence 191, App
42	27.5	17	14	US-10-059-261-67	Sequence 67, Appl
43	27.5	17	14	US-10-059-261-175	Sequence 175, App
44	27.5	17	16	US-10-627-649-67	Sequence 67, Appl
45	27.5	17	16	US-10-627-649-67	Sequence 67, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-11

; Sequence 11, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 11

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

US-10-354-240-11

Query Match 100.0%; Score 102; DB 14; Length 20;

Best Local Similarity 100.0%; Pred. No. 5.7e-10;

Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNKLNMPYIAGNK 20

Db 1 IFSKNLNKLNMPYIAGNK 20

```
RESULT 2
US-10-354-240-29
; Sequence 29, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-10-354-240-29

Query Match      58.8%; Score 60; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0046;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy      1 IFSKNLNKLNPLY 15
      |||||:|||||
Db      1 IFSGNNIKLNKMPY 15

RESULT 3
US-10-354-240-30
; Sequence 30, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 16
US-10-354-240-30

Query Match      57.8%; Score 59; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0068;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
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Qy      6 LNIKNMPLYIAGNK 20
      :|||||:|||||
Db      1 MNIKLNKMPYIAGYK 15

RESULT 4
US-10-354-240-28
; Sequence 28, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-10-354-240-28

Query Match      38.2%; Score 39; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 15;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 IFSKNLNKLN 10
      |||||:|||||
Db      6 IFSGNNIKLN 15

RESULT 5
US-10-354-240-31
; Sequence 31, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 17
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US-10-354-240-31

Query Match 37.3%; Score 38; DB 14; Length 15;
Best Local Similarity 77.8%; Pred. No. 23;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 12 MPYIAGNK 20
|:|:|:|:|
Db 2 MPYIAGYK 10

RESULT 6

US-10-402-954-42
; Sequence 42, Application US/10402954
; Publication No. US20030175243A1
; GENERAL INFORMATION:
; APPLICANT: TRANSGENE S.A.
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses
; FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/10/402,954
; CURRENT FILING DATE: 2003-04-01
; PRIOR APPLICATION NUMBER: US/09/402,401C
; PRIOR FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: WO 98 44121
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 42
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Ad3 fiber Mastadenovirus
US-10-402-954-42

Query Match 36.3%; Score 37; DB 14; Length 19;
Best Local Similarity 50.0%; Pred. No. 43;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 4 KNLNKLNMPLY 15
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Db 6 KKNKVSINVELY 17

RESULT 7

US-09-809-391-714
; Sequence 714, Application US/09809391
; Publication No. US20030049618A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/809,391
; CURRENT FILING DATE: 2001-03-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 761
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 714
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-809-391-714

Query Match 34.3%; Score 35; DB 10; Length 13;
Best Local Similarity 60.0%; Pred. No. 61;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 NMPYIAGNK 20
|:|:|:|:|
Db 1 NVPILILGNK 10

RESULT 8

US-09-882-171-714
; Sequence 714, Application US/09882171

; Publication No. US20030175858A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P2
; CURRENT APPLICATION NUMBER: US/09/882,171
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; PRIOR FILING DATE: 2001-03-16
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; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,593
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/047,614
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,578
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/043,576
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/047,501
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 60/043,670
; PRIOR FILING DATE: 1997-04-11
; PRIOR APPLICATION NUMBER: 60/056,632
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,664
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,876
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,881
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,909
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,875
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,862
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,887
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/056,908
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/057,650
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/056,884
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/057,669
; PRIOR FILING DATE: 1997-09-05

Query Match 34.3%; Score 35; DB 10; Length 13;
Best Local Similarity 60.0%; Pred. No. 61;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 NMPYIAGNK 20
|.:| |
Db 1 NVPILGNK 10

RESULT 9
US-10-164-861-714
; Sequence 714, Application US/10164861
; Publication No. US2003025248A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ002P1
; CURRENT APPLICATION NUMBER: US/10/164,861
; CURRENT FILING DATE: 2002-06-10

; PRIOR APPLICATION NUMBER: US/09/149,476
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: PCT/US98/04493
; PRIOR FILING DATE: 1998-03-06
; NUMBER OF SEQ ID NOS: 757
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 714
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-164-861-714

Query Match 34.3%; Score 35; DB 15; Length 13;
Best Local Similarity 60.0%; Pred. No. 61;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 NMPLYIAGNK 20
Db 1 NVPILIGNK 10

RESULT 10
US-10-777-893-150
; Sequence 150, Application US/10777893
; Publication No. US20050003450A1
; GENERAL INFORMATION:
; APPLICANT: Cell Signaling Technology, Inc.
; APPLICANT: RUSH, John
; APPLICANT: ZHANG, Hui
; APPLICANT: ZHA, Xiangming
; APPLICANT: COMB, Michael J.
; APPLICANT: TAN, Yi
; TITLE OF INVENTION: IMMUNOAFFINITY ISOLATION OF MODIFIED PEPTIDES FROM COMPLEX MIXTURE
; FILE REFERENCE: CST-201 CIP
; CURRENT APPLICATION NUMBER: US/10/777,893
; CURRENT FILING DATE: 2004-02-12
; PRIOR APPLICATION NUMBER: US 09/148,712
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 10/175,486
; PRIOR FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: US 09/535,364
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/299,893
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/337,012
; PRIOR FILING DATE: 2001-11-08
; NUMBER OF SEQ ID NOS: 163
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 150
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)..(2)
; OTHER INFORMATION: PHOSPHORYLATION; tyrosine at position 2 is phosphorylated
US-10-777-893-150

Query Match 30.4%; Score 31; DB 17; Length 11;
Best Local Similarity 71.4%; Pred. No. 2.4e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 10 LNMPLYI 16
Db 4 LNMPAYV 10

RESULT 11
US-09-071-838-244
; Sequence 244, Application US/09071838
; Patent No. US20020152501A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.

; APPLICANT: Ohad, Nir
; APPLICANT: Kiyosue, Tomohiro
; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; TITLE OF INVENTION: Nucleic Acids That Control Seed and
; TITLE OF INVENTION: Fruit Development in Plants
; NUMBER OF SEQUENCES: 324
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,838
; FILING DATE: 01-MAY-1998
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-086100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 244:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-071-838-244

Query Match 30.4%; Score 31; DB 9; Length 18;
Best Local Similarity 35.7%; Pred. No. 4.2e+02;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 7 NIKNMPLYIAGNK 20
Db 1 NLKNHLPYIYLNR 14

RESULT 12
US-10-213-512-244
; Sequence 244, Application US/10213512
; Publication No. US20030110536A1
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.
; APPLICANT: Ohad, Nir
; APPLICANT: Kiyosue, Tomohiro
; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; TITLE OF INVENTION: The Regents of the University of California
; TITLE OF INVENTION: Combinations of Nucleic Acids That Control Seed and
; TITLE OF INVENTION: Fruit Development in Plants
; FILE REFERENCE: 023070-086100US
; CURRENT APPLICATION NUMBER: US/10/213,512
; CURRENT FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: US/09/177,206
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: US 09/071,838
; PRIOR FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.0

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; SEQ ID NO 244
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-10-213-512-244

Query Match          30.4%; Score 31; DB 14; Length 18;
Best Local Similarity 35.7%; Pred. No. 4.2e+02;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 7 NIKLNMPLYIAGNK 20
Db 1 NLKNHLPYVLLNR 14

RESULT 13
US-10-936-237-116
; Sequence 116, Application US/10936237
; Publication No. US20050106563A1
; GENERAL INFORMATION:
; APPLICANT: HUANG, JEN-PIN
; TITLE OF INVENTION: EPITOPE PROFILE OF SARS CORONAVIRUS
; FILE REFERENCE: 09468.0004
; CURRENT APPLICATION NUMBER: US/10/936,237
; CURRENT FILING DATE: 2004-09-08
; NUMBER OF SEQ ID NOS: 195
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 116
; LENGTH: 10
; TYPE: PRT
; ORGANISM: SARS Coronavirus
US-10-936-237-116

Query Match          29.4%; Score 30; DB 17; Length 10;
Best Local Similarity 75.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 NIKLNMPL 14
Db 2 NILNVPL 9

RESULT 14
US-10-012-542-525
; Sequence 525, Application US/10012542
; Publication No. US20030044851A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match          29.4%; Score 30; DB 14; Length 13;
Best Local Similarity 55.6%; Pred. No. 4.2e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9
Db 3 IFAXHLSVK 11

Search completed: June 20, 2005, 15:55:10
Job time : 54.45 secs

US-10-012-542-525

Query Match          29.4%; Score 30; DB 14; Length 13;
Best Local Similarity 55.6%; Pred. No. 4.2e+02;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFSKNLNLIK 9
Db 3 IFAXHLSVK 11

Search completed: June 20, 2005, 15:55:10
Job time : 54.45 secs
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-12

Perfect score: 112

Sequence: 1 TIDGRGAEVHIGNGPCLFM 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	70	62.5	15	14	US-10-354-240-34
2	68	60.7	15	14	US-10-354-240-33
3	52	46.4	15	14	US-10-354-240-35
4	40	35.7	15	14	US-10-354-240-32
5	40	35.7	18	18	US-10-507-734-37
6	40	35.7	20	9	US-09-876-204-5
7	37	33.0	16	14	US-10-062-548-119
8	37	33.0	16	17	US-10-918-446-119
9	37	33.0	16	17	US-11-002-755-119
10	37	33.0	18	10	US-09-764-163-2
11	37	33.0	18	15	US-10-668-778-9
					Sequence 34, Appl
					Sequence 33, Appl
					Sequence 35, Appl
					Sequence 32, Appl
					Sequence 37, Appl
					Sequence 5, Appl
					Sequence 119, App
					Sequence 119, App
					Sequence 119, App
					Sequence 2, Appl
					Sequence 9, Appl

12	36	32.1	20	9	US-09-876-204-4	Sequence 4, Appl
13	36	32.1	20	14	US-10-280-066-467	Sequence 467, App
14	33	29.5	13	10	US-09-852-910-113	Sequence 113, App
15	33	29.5	13	14	US-10-373-540-17	Sequence 17, Appl
16	33	29.5	13	15	US-10-411-338A-113	Sequence 113, App
17	33	29.5	16	9	US-09-908-322-32	Sequence 20, Appl
18	33	29.5	16	10	US-09-783-931-32	Sequence 32, Appl
19	33	29.5	20	15	US-10-432-465-16	Sequence 16, Appl
20	33	29.5	20	16	US-10-890-526-41	Sequence 41, Appl
21	33	29.5	20	16	US-09-572-404B-852	Sequence 852, App
22	32	28.6	12	15	US-10-362-527-39	Sequence 39, Appl
23	32	28.6	16	10	US-09-747-287-103	Sequence 103, App
24	32	28.6	16	11	US-09-874-350A-70	Sequence 70, Appl
25	32	28.6	16	17	US-10-874-923-197	Sequence 197, App
26	32	28.6	9	14	US-10-213-742-4	Sequence 4, Appl
27	31	27.7	11	15	US-10-356-257-203	Sequence 203, App
28	31	27.7	13	14	US-10-152-158-2	Sequence 2, Appl
29	31	27.7	13	17	US-10-838-289-215	Sequence 215, App
30	31	27.7	13	17	US-10-607-595-107	Sequence 107, App
31	31	27.7	15	17	US-10-808-187-887	Sequence 887, App
32	31	27.7	17	16	US-10-473-134-16	Sequence 16, Appl
33	31	27.7	18	16	US-10-473-134-1	Sequence 1, Appl
34	31	27.7	18	16	US-10-473-134-1	Sequence 11, Appl
35	30.5	27.2	19	17	US-10-801-990-134	Sequence 134, App
36	30.5	27.2	9	15	US-10-466-205-13	Sequence 13, Appl
37	30	26.8	9	19	US-11-028-539-89	Sequence 89, Appl
38	30	26.8	10	19	US-11-028-539-69	Sequence 69, Appl
39	30	26.8	10	19	US-11-028-539-102	Sequence 102, App
40	30	26.8	13	15	US-10-469-837-60	Sequence 60, Appl
41	30	26.8	13	15	US-10-469-837-61	Sequence 61, Appl
42	30	26.8	15	10	US-09-894-594-37	Sequence 37, Appl
43	30	26.8	15	10	US-09-894-594-54	Sequence 54, Appl
44	30	26.8	15	14	US-10-082-830-160	Sequence 160, App
45	30	26.8				

ALIGNMENTS

RESULT 1
US-10-354-240-34
; Sequence 34, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-10301
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-10-354-240-34

Query Match 62.5%; Score 70; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.002;
Matches 11; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 6 GAEVHIGGGPCLFM 20
||:|:|||||:|:
Db 1 GAQVYIGNGGPCVFI 15
||:|:|||||:|:
RESULT 2
US-10-354-240-33
; Sequence 33, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 19
US-10-354-240-33

Query Match 60.7%; Score 68; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.004;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVHIGNGG 15
| | | | | : | : | | | |
Db 1 TFDGRGAQVYIGNGG 15
| | | | | : | : | | | |

RESULT 3
US-10-354-240-35
; Sequence 35, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21
US-10-354-240-35

Query Match 46.4%; Score 52; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.94;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 11 IGGGPGCLFPM 20
| | | | | : | : | | | |
Db 1 IGGGPGCVFI 10
| | | | | : | : | | | |

RESULT 4
US-10-354-240-32
; Sequence 32, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18
US-10-354-240-32

Query Match 35.7%; Score 40; DB 14; Length 15;
Best Local Similarity 70.0%; Pred. No. 56;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVH 10
| | | | | : | : | | | |
Db 6 TFDGRGAQVY 15
| | | | | : | : | | | |

RESULT 5
US-10-507-734-37
; Sequence 37, Application US/10507734
; Publication No. US20050124794A1
; GENERAL INFORMATION:
; APPLICANT: McCRAE, Keith
; APPLICANT: DONATE, Fernando
; APPLICANT: JUAREZ, Jose
; APPLICANT: MAZAR, Andrew P.
; TITLE OF INVENTION: CELL SURFACE TROPOMYOSIN AS A TARGET OF ANGIOGENESIS INHIBITION
; FILE REFERENCE: 28932.att5
; CURRENT APPLICATION NUMBER: US/10/507,734
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: PCT/US03/08060
; PRIOR FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: US 60/364,047
; PRIOR FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
US-10-507-734-37

OTHER INFORMATION: synthetic sequence
US-10-507-734-37

Query Match 35.7%; Score 40; DB 18; Length 18;
Best Local Similarity 50.0%; Pred. No. 68;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GAQVHNGGPGC 17
| : : : :
DB 7 GGGYLGGGGPGC 18

RESULT 6

US-09-876-204-5
; Sequence 5, Application US/09876204
; Patent No. US20020052316A1
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/876,204
; PRIOR FILING DATE: 2001-06-06
; PRIOR FILING DATE: 09/166,028
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-876-204-5

Query Match 35.7%; Score 40; DB 9; Length 20;
Best Local Similarity 53.3%; Pred. No. 76;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;

QY 2 IDGRGAQVHNGGPGC 16
| : : : :
DB 1 MDGSGD--HLGGGPG 13

RESULT 7

US-10-062-548-119
; Sequence 119, Application US/10062548
; Publication No. US20030096982A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1
; CURRENT APPLICATION NUMBER: US/10/062,548
; CURRENT FILING DATE: 2002-02-05
; PRIOR FILING DATE: 09/369,247
; PRIOR FILING DATE: 1999-08-05
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,157
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,137
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,341
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,141
; PRIOR FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-062-548-119

Query Match 33.0%; Score 37; DB 14; Length 16;

Best Local Similarity 46.2%; Pred. No. 1.7e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 4 GRGAQVHNGGPG 16
| : : : :
DB 1 GTSPEAYVGGPG 13

RESULT 8

US-10-918-446-119
; Sequence 119, Application US/10918446
; Publication No. US2005009085A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1C1D1
; CURRENT APPLICATION NUMBER: US/10/918,446
; CURRENT FILING DATE: 2004-08-16
; PRIOR FILING DATE: 10/062,548
; PRIOR FILING DATE: 2002-05-02
; PRIOR FILING DATE: 09/369,247
; PRIOR FILING DATE: 1999-08-05
; PRIOR FILING DATE: 1999-02-04
; PRIOR FILING DATE: 60/074,118
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,157
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,137
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,341
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,141
; PRIOR FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-918-446-119

Query Match 33.0%; Score 37; DB 17; Length 16;
Best Local Similarity 46.2%; Pred. No. 1.7e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 4 GRGAQVHNGGPG 16
| : : : :
DB 1 GTSPEAYVGGPG 13

RESULT 9

US-11-002-755-119
; Sequence 119, Application US/11002755
; Publication No. US20050079537A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1C1D3
; CURRENT APPLICATION NUMBER: US/11/002,755
; CURRENT FILING DATE: 2004-12-03
; PRIOR FILING DATE: 10/062,548
; PRIOR FILING DATE: 2002-05-02
; PRIOR FILING DATE: 09/369,247
; PRIOR FILING DATE: 1999-08-05
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; PRIOR FILING DATE: 60/074,118
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,157
; PRIOR FILING DATE: 1998-02-09
; PRIOR FILING DATE: 60/074,137
; PRIOR FILING DATE: 1998-02-09

; PRIOR APPLICATION NUMBER: 60/074,341
; PRIOR FILING DATE: 1998-02-09
; PRIOR APPLICATION NUMBER: 60/074,141
; PRIOR FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-002-755-119

Query Match 33.0%; Score 37; DB 19; Length 16;
Best Local Similarity 46.2%; Pred. No. 1.7e+02; Indels 0; Gaps 0;
Matches 6; Conservative 2; Mismatches 5;

Qy 4 GRGAEVHIGNGGP 16
Db 1 GTSPEAYVGGGP 13

RESULT 10
US-09-764-163-2
; Sequence 2, Application US/09764163
; Publication No. US20030165825A1
; GENERAL INFORMATION:
; APPLICANT: Panorama Research, Inc.
; APPLICANT: BALINT, Robert F.
; APPLICANT: HER, Jeng-Hong
; TITLE OF INVENTION: INTERACTION-ACTIVATED PROTEINS
; FILE REFERENCE: PARE 002 02US
; CURRENT APPLICATION NUMBER: US/09/764,163
; CURRENT FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/175,968
; PRIOR FILING DATE: 2000-01-13
; PRIOR APPLICATION NUMBER: 09/526,126
; PRIOR FILING DATE: 2000-03-15
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: library
; OTHER INFORMATION: generated random peptide
US-09-764-163-2

Query Match 33.0%; Score 37; DB 10; Length 18;
Best Local Similarity 46.7%; Pred. No. 1.9e+02; Indels 0; Gaps 0;
Matches 7; Conservative 2; Mismatches 6;

Qy 3 DGRGAEVHIGNGGP 17
Db 4 EGQGGVAVGVGGP 18

RESULT 11
US-10-668-778-9
; Sequence 9, Application US/10668778
; Publication No. US2004003817A1
; GENERAL INFORMATION:
; APPLICANT: Balint, Robert F.
; APPLICANT: Her, Jeng-Hong
; APPLICANT: Kalobios, Inc.
; TITLE OF INVENTION: Interaction-Activated Proteins
; FILE REFERENCE: 021167-000700US
; CURRENT APPLICATION NUMBER: US/10/668,778
; CURRENT FILING DATE: 2003-09-22
; PRIOR APPLICATION NUMBER: US/09/526,106
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: US 60/124,339
; PRIOR FILING DATE: 1999-03-15

; PRIOR APPLICATION NUMBER: US 60/135,926
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: US 60/175,968
; PRIOR FILING DATE: 2000-01-13
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: CD40-binding
US-10-668-778-9

Query Match 33.0%; Score 37; DB 15; Length 18;
Best Local Similarity 46.7%; Pred. No. 1.9e+02; Indels 0; Gaps 0;
Matches 7; Conservative 2; Mismatches 6;

Qy 3 DGRGAEVHIGNGGP 17
Db 4 EGQGGVAVGVGGP 18

RESULT 12
US-09-876-204-4
; Sequence 4, Application US/09876204
; Patent No. US20020052316A1
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; TITLE OF INVENTION: REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/876,204
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 09/166,028
; PRIOR FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-876-204-4

Query Match 32.1%; Score 36; DB 9; Length 20;
Best Local Similarity 46.7%; Pred. No. 3e+02; Indels 2; Gaps 1;
Matches 7; Conservative 4; Mismatches 2;

Qy 2 IDGRGAEVHIGNGGP 16
Db 1 MDGSSEQ--LGSGGP 13

RESULT 13
US-10-280-066-467
; Sequence 467, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutia, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009US1
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 467
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Eschericia coli
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: FGFR1b-20R-B1
US-10-280-066-467

Query Match      32.1%; Score 36; DB 14; Length 20;
Best Local Similarity 46.7%; Pred. No. 3e+02;
Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

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Db      1 RGCVLEALSGGACLF 15

RESULT 14
US-09-852-910-113
; Sequence 113, Application US/09852910
; Publication No. US20030096297A1
; GENERAL INFORMATION:
; APPLICANT: Hamm, Heidi
; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S
; FILE REFERENCE: 2661-101
; CURRENT APPLICATION NUMBER: US/09/852,910
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/275,472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 113
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(13)
; OTHER INFORMATION: G alpha i R minigene peptide
US-09-852-910-113

Query Match      29.5%; Score 33; DB 10; Length 13;
Best Local Similarity 66.7%; Pred. No. 5.3e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      11 IGNNGGPGCLF 19
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RESULT 15
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; Sequence 17, Application US/10373540
; Publication No. US20030162258A1
; GENERAL INFORMATION:
; APPLICANT: HAMM, Heidi
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THE
; FILE REFERENCE: 0290-29 (NU 99037)
; CURRENT APPLICATION NUMBER: US/10/373,540
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: US/09/489,156
; PRIOR FILING DATE: PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence

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; FEATURE:
; OTHER INFORMATION: G alpha i R peptide
US-10-373-540-17

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Best Local Similarity 66.7%; Pred. No. 5.3e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      11 IGNNGGPGCLF 19
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Db      1 MNGIKCLF 9

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

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Listing first 45 summaries

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SUMMARIES

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3	68	60.7	15	4	US-09-142-524D-33
4	52	46.4	15	4	US-09-142-524D-35
5	52	46.4	20	3	US-08-467-023-36
6	40	35.7	15	4	US-09-142-524D-32
7	40	35.7	20	3	US-08-467-023-34
8	40	35.7	20	3	US-09-166-028-5
9	37	33.0	16	4	US-09-369-247-119
10	36	32.1	15	3	US-08-654-623-71
11	36	32.1	20	3	US-09-166-028-4
12	33	29.5	13	4	US-09-489-156-17
13	33	29.5	15	4	US-09-947-372A-20
14	33	29.5	16	3	US-08-981-392-32
15	33	29.5	16	4	US-09-908-322-32
16	33	29.5	19	1	US-08-290-448A-49
17	33	29.5	19	1	US-08-290-448A-49
18	33	29.5	19	1	US-08-175-069A-49
19	33	29.5	19	3	US-08-461-939B-49
20	33	29.5	19	3	US-08-464-000-49
21	33	29.5	20	2	US-07-678-974D-13
22	33	29.5	20	2	US-08-945-168-18
23	33	29.5	20	4	US-09-980-177A-41
24	32	28.6	16	1	US-08-802-981-71
25	31.5	28.1	14	1	US-08-678-552A-1
26	31.5	28.1	14	2	US-08-576-039-1
27	31	27.7	9	3	US-08-946-525-4

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Sequence 136, App
Sequence 45, Appl
Sequence 45, Appl
Sequence 16, Appl
Sequence 10, Appl
Sequence 104, App
Sequence 5, Appli
Sequence 14, Appl
Sequence 87, Appl
Sequence 17, Appl
Sequence 20, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-35
; Sequence 35, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal


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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-36

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QY 11 IGGGPGCLFM 20
DB 1 IGGGPGCVFI 10

RESULT 6
US-09-142-524D-32
; Sequence 32, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 18
US-09-142-524D-32

Query Match 35.7%; Score 40; DB 4; Length 15;
Best Local Similarity 70.0%; Pred. No. 16;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVH 10
DB 6 TFDGRGAQVY 15

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; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TELECOMMUNICATION INFORMATION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-34

Query Match 35.7%; Score 40; DB 3; Length 20;
Best Local Similarity 70.0%; Pred. No. 21;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 TIDGRGAEVH 10
DB 11 TFDGRGAQVY 20

RESULT 8
US-09-166-028-5
; Sequence 5, Application US/09166028
; Patent No. 6245885
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; TELECOMMUNICATION INFORMATION: REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/166,028
; CURRENT FILING DATE: 1998-10-05
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; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-166-028-5

Query Match      35.7%; Score 40; DB 3; Length 20;
Best Local Similarity 53.3%; Pred. No. 21;
Matches 8; Conservative 2; Mismatches 3; Indels 3; Gaps 1;

QY      2 IDRGAEVHNGGPP 16
Db      1 MDGSGD--HLGGGGP 13

RESULT 9
US-09-369-247-119
; Sequence 119, Application US/09369247
; Patent No. 6569992
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 44 Human Secreted Proteins
; FILE REFERENCE: P2024P1
; CURRENT APPLICATION NUMBER: US/09/369,247
; CURRENT FILING DATE: 1999-08-05
; EARLIER APPLICATION NUMBER: 60/074,118
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,157
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,137
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,341
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/074,141
; EARLIER FILING DATE: 1998-02-09
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 119
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-369-247-119

Query Match      33.0%; Score 37; DB 4; Length 16;
Best Local Similarity 46.2%; Pred. No. 46;
Matches 6; Conservative 2; Mismatches 5; Indels 5; Gaps 0;

QY      4 GRGAEVHNGGPP 16
Db      1 GTSPEAYVGGGP 13

RESULT 10
US-08-654-623-71
; Sequence 71, Application US/08654623
; Patent No. 6010884
; GENERAL INFORMATION:
; APPLICANT: Griffiths, Andrew D
; APPLICANT: Holliger, Kaspar-Philipp
; APPLICANT: Nissim, Anuva
; APPLICANT: Fischer, Igor
; APPLICANT: Winter, Gregory P
; TITLE OF INVENTION: Recombinant Binding Proteins and Peptides
; NUMBER OF SEQUENCES: 71
; CORRESPONDENCE ADDRESS:
; ADDRESS: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,623
; FILING DATE: 29-MAY-1996
; CLASSIFICATION: 435
; CLASSIFICATION: (C12N 1/21, C12R 1:19)
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9225453.1
; FILING DATE: 04-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9300816.7
; FILING DATE: 16-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 93303614.7
; FILING DATE: 10-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9319969.3
; FILING DATE: 22-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB93/02492
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9412147.2
; FILING DATE: 17-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB94/02662
; FILING DATE: 05-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/448,418
; FILING DATE: 02-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: David W. Clough
; REGISTRATION NUMBER: 36,107
; REFERENCE/DOCKET NUMBER: 28111/33259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; INFORMATION FOR SEQ ID NO: 71:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-654-623-71

Query Match      32.1%; Score 36; DB 3; Length 15;
Best Local Similarity 40.0%; Pred. No. 60;
Matches 6; Conservative 3; Mismatches 6; Indels 6; Gaps 0;

QY      4 GRGAEVHNGGPPCL 18
Db      1 GGGGSLNVGGGGSAL 15

RESULT 11
US-09-166-028-4
; Sequence 4, Application US/09166028
; Patent No. 6245885
; GENERAL INFORMATION:
; APPLICANT: Gordon C. Shore et al.
; TITLE OF INVENTION: BAX-MEDIATED APOPTOSIS MODULATING
; FILE REFERENCE: REAGENTS AND METHODS
; FILE REFERENCE: 50013/011001
; CURRENT APPLICATION NUMBER: US/09/166,028
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
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; ORGANISM: Mus musculus
US-09-166-028-4
Query Match      32.1%; Score 36; DB 3; Length 20;
Best Local Similarity 46.7%; Pred. No. 81;
Matches 7; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

Qy  2 IDRGAEVHNGGPG 16
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Db  1 MDGSGEQ--LGSQGP 13

RESULT 12
US-09-489-156-17
; Sequence 17, Application US/09489156
; Patent No. 6559128
; GENERAL INFORMATION:
; APPLICANT: HAMM, Heidi
; APPLICANT: GLICHRIST, Annette
; TITLE OF INVENTION: INHIBITORS OF G PROTEIN-MEDIATED SIGNALING, METHODS OF MAKING THE
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 0290-29 (NU 99037)
; CURRENT APPLICATION NUMBER: US/09/489,156
; CURRENT FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: G alpha i R peptide
US-09-489-156-17

Query Match      29.5%; Score 33; DB 4; Length 13;
Best Local Similarity 66.7%; Pred. No. 1.4e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy  11 IGGGGPCLF 19
    :|||: |||
Db  1 MGNIGKCLF 9

RESULT 13
US-09-947-372A-20
; Sequence 20, Application US/09947372A
; Patent No. 6613557
; GENERAL INFORMATION:
; APPLICANT: FRAZER, IAN
; APPLICANT: ZHOU, JIAN
; TITLE OF INVENTION: PAPILLOMAVIRUS VACCINE
; FILE REFERENCE: 065064/0137
; CURRENT APPLICATION NUMBER: US/09/947,372A
; CURRENT FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: 08/185,928
; PRIOR FILING DATE: 1994-01-19
; PRIOR APPLICATION NUMBER: PCT/AU92/02184
; PRIOR FILING DATE: 1992-07-20
; PRIOR APPLICATION NUMBER: AU PK7322
; PRIOR FILING DATE: 1991-07-19
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Human papillomavirus type 16
US-09-947-372A-20

Query Match      29.5%; Score 33; DB 4; Length 15;
Best Local Similarity 62.5%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy  10 HIGNGGPC 17
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Db  4 HWGKSPC 11

RESULT 14
US-08-981-392-32
; Sequence 32, Application US/08981392
; Patent No. 6262025
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowicz, David
; APPLICANT: Henrique, Domingos Manuel Pinto
; APPLICANT: Lewis, Julian Hart
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Gray, Grace
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES
; TITLE OF INVENTION: OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/981,392
; FILING DATE: 22-DEC-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Antler, Adriane M.
; REGISTRATION NUMBER: 32,605
; REFERENCE/DOCKET NUMBER: 7326-038
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-981-392-32

Query Match      29.5%; Score 33; DB 3; Length 16;
Best Local Similarity 50.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy  5 RGAEVHNGGPGCL 18
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Db  3 RGMVQSGLAGPVL 16

RESULT 15
US-09-908-322-32
; Sequence 32, Application US/09908322
; Patent No. 6783956
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowicz, David
; APPLICANT: Henrique, Domingos Manuel Pinto
; APPLICANT: Lewis, Julian Hart
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Gray, Grace
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF
; TITLE OF INVENTION: VERTEBRATE DELTA GENE AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
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ADDRESSER: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10036/2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/908,322
FILING DATE: 17-Jul-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/981,392
FILING DATE: 22-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-790-9090
TELEFAX: 212-869-8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: <unknown>
TOPOLOGY: unknown
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-908-322-32

Query Match 29.5%; Score 33; DB 4; Length 16;
Best Local Similarity 50.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 5 RGAEVHIGNGPCL 18
||:|:|:|
Db 3 RGMQVQSLAGPVL 16

Search completed: June 20, 2005, 14:22:16
Job time : 17.15 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 IGGGFCFLFMRTVSHVILHG 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

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17: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US10_PUBCOMB.pep:*

19: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep:*

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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	62	55.9	15	14	US-10-354-240-35
2	58	52.3	15	14	US-10-354-240-36
3	58	52.3	15	14	US-10-354-240-159
4	58	52.3	15	14	US-10-354-240-163
5	52	46.8	14	14	US-10-354-240-169
6	52	46.8	15	14	US-10-354-240-34
7	51	45.9	14	14	US-10-354-240-164
8	44	39.6	13	14	US-10-354-240-170
9	42	37.8	12	14	US-10-354-240-171
10	42	37.8	13	14	US-10-354-240-13
11	42	37.8	13	14	US-10-354-240-165

12	42	37.8	13	14	US-10-354-240-174	Sequence 174, App
13	41	36.9	12	14	US-10-354-240-166	Sequence 166, App
14	38	34.2	11	14	US-10-354-240-172	Sequence 172, App
15	36	32.4	18	18	US-10-507-734-37	Sequence 37, Appl
16	35	31.5	11	14	US-10-354-240-167	Sequence 167, App
17	34	30.6	10	14	US-10-354-240-168	Sequence 168, App
18	34	30.6	10	14	US-10-354-240-173	Sequence 173, App
19	34	30.6	15	14	US-10-354-240-37	Sequence 37, Appl
20	33	29.7	13	10	US-09-852-910-113	Sequence 113, App
21	33	29.7	13	14	US-10-373-540-17	Sequence 17, Appl
22	33	29.7	13	15	US-10-411-336A-113	Sequence 113, App
23	33	29.7	18	9	US-09-865-943-76	Sequence 76, Appl
24	33	29.7	18	9	US-09-865-943-197	Sequence 197, App
25	32	28.8	10	10	US-09-572-404B-852	Sequence 852, App
26	32	28.8	14	15	US-10-346-162-2	Sequence 2, Appl
27	32	28.8	16	9	US-09-865-943-64	Sequence 64, Appl
28	32	28.8	16	9	US-09-865-943-189	Sequence 189, App
29	32	28.8	18	9	US-09-865-943-70	Sequence 70, Appl
30	32	28.8	18	9	US-09-865-943-192	Sequence 192, App
31	31.5	28.4	19	10	US-09-809-391-512	Sequence 512, App
32	31.5	28.4	19	10	US-09-882-171-512	Sequence 512, App
33	31.5	28.4	19	15	US-10-164-861-512	Sequence 512, App
34	31	27.9	15	9	US-09-864-675-18	Sequence 18, Appl
35	31	27.9	18	9	US-09-865-943-75	Sequence 75, Appl
36	31	27.9	18	9	US-09-865-943-196	Sequence 196, App
37	31	27.9	18	10	US-09-764-163-2	Sequence 2, Appl
38	31	27.9	18	14	US-10-106-698-7659	Sequence 7659, Ap
39	31	27.9	18	15	US-10-668-778-9	Sequence 9, Appl
40	31	27.9	20	14	US-10-280-066-467	Sequence 467, App
41	30	27.0	9	19	US-11-028-539-89	Sequence 89, Appl
42	30	27.0	10	19	US-11-028-539-69	Sequence 69, Appl
43	30	27.0	10	19	US-11-028-539-102	Sequence 102, App
44	30	27.0	16	9	US-09-865-943-25	Sequence 25, Appl
45	30	27.0	16	9	US-09-865-943-61	Sequence 61, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-35

Sequence 35, Application US/10354240

Publication No. US20030185847A1

GENERAL INFORMATION:

APPLICANT: Sone, Toshio

APPLICANT: Kume, Akinori

APPLICANT: Dairiki, Kazuo

APPLICANT: Iwama, Akiko

APPLICANT: Kino, Kohsuke

TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

FILE REFERENCE: SPO-103D1

CURRENT APPLICATION NUMBER: US/10/354,240

CURRENT FILING DATE: 2003-01-29

PRIOR APPLICATION NUMBER: PCT/JP97/00740

PRIOR FILING DATE: 1997-03-10

PRIOR APPLICATION NUMBER: US 09/142,524

PRIOR FILING DATE: 1998-09-09

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin version 3.1

SEQ ID NO 35

LENGTH: 15

TYPE: PRT

ORGANISM: Cryptomeria japonica

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (1)..(15)

OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 21

US-10-354-240-35

Query Match 55.9%; Score 62; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.018;
Matches 10; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

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Qy      1  IGGGPGCLFMRTVSH 15
          |||||:|:|:|:|
Db      1  IGGGPGCFIKRVSN 15
          |||||:|:|:|:|

RESULT 2
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
US-10-354-240-36

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.074;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy      6  PCLEFMRTVSHVILHG 20
          |||||:|:|:|:|
Db      1  PCVFIKRVSNVIHG 15
          |||||:|:|:|:|

RESULT 3
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.074;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy      6  PCLEFMRTVSHVILHG 20
          |||||:|:|:|:|
Db      1  PCVFIKRVSNVIHG 15
          |||||:|:~|:|:|

RESULT 4
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.074;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy      6  PCLEFMRTVSHVILHG 20
          |||||:|:|:|:|
Db      1  PCVFIKRVSNVIHG 15
          |||||:|:~|:|:|

RESULT 5
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-169
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Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.074;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy      6  PCLEFMRTVSHVILHG 20
          |||||:|:~|:|:|
Db      1  PCVFIKRVSNVIHG 15
          |||||:|:~|:|:|

RESULT 4
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match      52.3%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.074;
Matches 9; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy      6  PCLEFMRTVSHVILHG 20
          |||||:|:~|:|:|
Db      1  PCVFIKRVSNVIHG 15
          |||||:|:~|:|:|

RESULT 5
US-10-354-240-169
; Sequence 169, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-169
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; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-7.
US-10-354-240-169

Query Match      46.8%; Score 52; DB 14; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.57;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 6 PCLFMRTVSHVILH 19
Db 1 PCVFIKRVSNVILH 14

RESULT 6
US-10-354-240-34
; Sequence 34, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 34
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 120
US-10-354-240-34

Query Match      46.8%; Score 52; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.61;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IGGGPGCLFM 10
Db 6 IGGGPGCVFI 15

RESULT 7
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 164
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; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match      45.9%; Score 51; DB 14; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.8;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 7 CLFMRTVSHVILHG 20
Db 1 CVFIFKRVSNVILH 14

RESULT 8
US-10-354-240-170
; Sequence 170, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 170
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-10-354-240-170

Query Match      39.6%; Score 44; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 8.7;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 6 PCLFMRTVSHVIL 18
Db 1 PCVFIKRVSNVII 13

RESULT 9
US-10-354-240-171
; Sequence 171, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
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; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-10-354-240-171

Query Match 37.8%; Score 42; DB 14; Length 12;
Best Local Similarity 58.3%; Pred. No. 16;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCFMRTVSHVI 17
||:|:|:|:|
Db 1 PCVFIKRVSNVI 12

RESULT 10
US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-13

Query Match 37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 18;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20
||:|:|:|:|
Db 1 VFIKRVSNVIHG 13

RESULT 11
US-10-354-240-165
; Sequence 165, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match 37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 18;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20
||:|:|:|:|
Db 1 VFIKRVSNVIHG 13

RESULT 12
US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174

Query Match 37.8%; Score 42; DB 14; Length 13;
Best Local Similarity 53.8%; Pred. No. 18;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20
||:|:|:|:|
Db 1 VFIKRVSNVIHG 13

RESULT 13
US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match 36.9%; Score 41; DB 14; Length 12;
Best Local Similarity 58.3%; Pred. No. 23;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
Qy 9 FMRTVSHVILHG 20
Db 1 FIKRVSNVILHG 12
|::||::||
|::||::||

RESULT 14
US-10-354-240-172
; Sequence 172, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SEQ-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JEP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 172
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-10.
US-10-354-240-172

Query Match 34.2%; Score 38; DB 14; Length 11;
Best Local Similarity 54.5%; Pred. No. 60;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
Qy 6 PCLEFWRVSHV 16
Db 1 PCVFIKRVSNV 11
|::||::||
|::||::||

RESULT 15
US-10-507-734-37
; Sequence 37, Application US/10507734
; Publication No. US20050124794A1
; GENERAL INFORMATION:
; APPLICANT: MCCRAB, Keith
; APPLICANT: DONATE, Fernando
; APPLICANT: JUAREZ, Jose
; APPLICANT: MAZAR, Andrew P.
; TITLE OF INVENTION: CELL SURFACE TROPOMYOSIN AS A TARGET OF ANGIOGENESIS INHIBITION
; FILE REFERENCE: 28932.att5
; CURRENT APPLICATION NUMBER: US/10/507,734

; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: PCT/US03/08060
; PRIOR FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: US 60/364,047
; PRIOR FILING DATE: 2002-03-15
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 37
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic sequence
US-10-507-734-37

Query Match 32.4%; Score 36; DB 18; Length 18;
Best Local Similarity 71.4%; Pred. No. 2e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 IGNGGPC 7
Db 12 LGGGGPC 18
:|::||
:|::||

Search completed: June 20, 2005, 15:55:11
Job time : 53.45 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-13

Perfect score: 111

Sequence: 1 IGGGPCLFMRVTSHVLHG 20

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Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

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 - 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
 - 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
 - 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
 - 5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
 - 6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	86	77.5	20	3	US-08-467-023-36
2	62	55.9	15	4	US-09-142-524D-35
3	58	52.3	15	4	US-09-142-524D-36
4	58	52.3	15	4	US-09-142-524D-159
5	58	52.3	15	4	US-09-142-524D-163
6	52	46.8	14	4	US-09-142-524D-169
7	52	46.8	15	4	US-09-142-524D-34
8	52	46.8	20	3	US-08-467-023-35
9	51	45.9	14	4	US-09-142-524D-164
10	44	39.6	13	4	US-09-142-524D-170
11	42	37.8	12	4	US-09-142-524D-171
12	42	37.8	13	4	US-09-142-524D-13
13	42	37.8	13	4	US-09-142-524D-165
14	42	37.8	13	4	US-09-142-524D-174
15	41	36.9	12	4	US-09-142-524D-166
16	38	34.2	11	4	US-09-142-524D-172
17	35	31.5	11	4	US-09-142-524D-167
18	34	30.6	10	4	US-09-142-524D-168
19	34	30.6	10	4	US-09-142-524D-173
20	34	30.6	15	4	US-09-142-524D-37
21	34	30.6	20	3	US-08-467-023-37
22	33	29.7	13	4	US-09-489-156-17
23	33	29.7	18	3	US-09-128-344A-76
24	33	29.7	18	3	US-09-128-344A-197
25	32	28.8	16	3	US-09-128-344A-64
26	32	28.8	16	3	US-09-128-344A-189
27	32	28.8	18	3	US-09-128-344A-70

Sequence 192, App
Sequence 512, App
Sequence 75, Appl
Sequence 196, App
Sequence 25, Appl
Sequence 61, Appl
Sequence 63, Appl
Sequence 65, Appl
Sequence 132, App
Sequence 111, App
Sequence 132, App
Sequence 186, App
Sequence 13, Appl
Sequence 13, Appl
Sequence 47, Appl
Sequence 93, Appl
Sequence 95, Appl
Sequence 105, App

ALIGNMENTS

RESULT 1

US-08-467-023-36
; Sequence 36, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

RESULT 9

US-09-142-524D-164
; Sequence 164, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-09-142-524D-164

Query Match 45.9%; Score 51; DB 4; Length 14;
Best Local Similarity 57.1%; Pred. No. 0.19;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 7 CLFMRTVSHVLHG 20
|:::|::|::|::|
DB 1 CVFIKRVSNVILHG 14

RESULT 10

US-09-142-524D-170
; Sequence 170, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 170
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-8.
US-09-142-524D-170

Query Match 39.6%; Score 44; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 2.1;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVIL 18
|:::|::|::|::|
DB 1 PCVFIKRVSNVII 13

RESULT 11

US-09-142-524D-165

US-09-142-524D-171
; Sequence 171, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 171
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-9.
US-09-142-524D-171

Query Match 37.8%; Score 42; DB 4; Length 12;
Best Local Similarity 58.3%; Pred. No. 3.9;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 6 PCLFMRTVSHVI 17
|:::|::|::|::|
DB 1 PCVFIKRVSNVI 12

RESULT 12

US-09-142-524D-13
; Sequence 13, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-13

Query Match 37.8%; Score 42; DB 4; Length 13;
Best Local Similarity 53.8%; Pred. No. 4.3;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 8 LFMRTVSHVILHG 20
|:::|::|::|::|
DB 1 VFIIKRVSNVILHG 13

RESULT 13

US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:

RESULT 15
US-09-142-524D-166
; Sequence 166, Application US/09142524D
; Patent No. 6719576
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-14

Perfect score: 108

Sequence: 1 RTVSHVILHGLNHCNTSV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	62	57.4	15	14	US-10-354-240-38
2	49	45.4	15	14	US-10-354-240-37
3	38	35.2	15	14	US-10-354-240-39
4	34	31.5	10	14	US-10-354-240-168
5	34	31.5	11	14	US-10-354-240-167
6	34	31.5	12	14	US-10-354-240-166
7	34	31.5	13	14	US-10-354-240-13
8	34	31.5	13	14	US-10-354-240-165
9	34	31.5	13	14	US-10-354-240-174
10	34	31.5	14	14	US-10-354-240-164
11	34	31.5	15	14	US-10-354-240-36
					Sequence 38, Appl
					Sequence 37, Appl
					Sequence 39, Appl
					Sequence 168, App
					Sequence 167, App
					Sequence 166, App
					Sequence 13, Appl
					Sequence 165, App
					Sequence 174, App
					Sequence 164, App
					Sequence 36, Appl

12	34	31.5	15	14	US-10-354-240-159	Sequence 159, App
13	34	31.5	15	14	US-10-354-240-163	Sequence 163, App
14	33	30.6	18	17	US-10-801-988-9	Sequence 9, Appl
15	32	29.6	8	15	US-10-449-659-46	Sequence 46, Appl
16	32	29.6	10	14	US-10-062-548-143	Sequence 143, App
17	32	29.6	10	17	US-10-918-446-143	Sequence 143, App
18	32	29.6	10	19	US-11-002-755-143	Sequence 143, App
19	32	29.6	12	10	US-09-876-904A-199	Sequence 199, App
20	32	29.6	14	15	US-10-346-162-2	Sequence 2, Appl
21	32	29.6	15	14	US-10-125-869A-51	Sequence 51, Appl
22	32	29.6	15	15	US-10-462-262-275	Sequence 275, App
23	32	29.6	18	14	US-10-216-122-50	Sequence 50, Appl
24	31	28.7	15	16	US-10-756-289-2	Sequence 2, Appl
25	31	28.7	18	14	US-10-083-641A-12	Sequence 12, Appl
26	31	28.7	18	14	US-10-349-543-4	Sequence 4, Appl
27	31	28.7	19	10	US-09-791-524-1	Sequence 1, Appl
28	31	28.7	19	10	US-09-791-524-2	Sequence 2, Appl
29	31	28.7	19	14	US-10-062-831-123	Sequence 123, App
30	31	28.7	19	14	US-10-062-599-123	Sequence 123, App
31	31	28.7	20	14	US-10-225-567A-1794	Sequence 1794, App
32	31	28.7	20	17	US-10-938-249-434	Sequence 434, App
33	30	27.8	9	9	US-09-769-145-76	Sequence 76, Appl
34	30	27.8	9	10	US-09-865-548A-117	Sequence 117, App
35	30	27.8	9	14	US-10-105-008-76	Sequence 76, Appl
36	30	27.8	9	14	US-10-058-821-55	Sequence 55, Appl
37	30	27.8	9	15	US-10-359-546-70	Sequence 70, Appl
38	30	27.8	9	15	US-10-425-557-76	Sequence 76, Appl
39	30	27.8	9	15	US-10-412-701-76	Sequence 76, Appl
40	30	27.8	9	16	US-10-632-678-76	Sequence 76, Appl
41	30	27.8	9	17	US-10-705-459-117	Sequence 117, App
42	30	27.8	10	10	US-09-572-404B-3910	Sequence 3910, App
43	30	27.8	10	10	US-09-572-404B-3911	Sequence 3911, App
44	30	27.8	12	14	US-10-075-869-25	Sequence 25, Appl
45	30	27.8	12	15	US-10-366-493-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-354-240-38
; Sequence 38, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 38
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 24
US-10-354-240-38

Query Match 57.4%; Score 62; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.01;
Matches 10; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

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QY      6 VILHGLNIHGCVTSV 20
      : ||:||||:||||:
Db      1 VILHGLHLYGCVTSV 15
      : ||:||||:||||:

RESULT 2
US-10-354-240-37
; Sequence 37, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 37
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 23
US-10-354-240-37

Query Match      45.4%; Score 49; DB 14; Length 15;
Best Local Similarity 53.3%; Pred. No. 1;
Matches      8; Conservative      6; Mismatches      1; Indels      0; Gaps      0;

QY      1 RTVSHVILHGLNIHG 15
      : ||:||||:||||:
Db      1 KRVSNIHGLHLYG 15
      : ||:||||:||||:

RESULT 3
US-10-354-240-39
; Sequence 39, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 25
US-10-354-240-39
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Query Match      35.2%; Score 38; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 52;
Matches      6; Conservative      4; Mismatches      0; Indels      0; Gaps      0;

QY      11 LNIHGCVTSV 20
      : ||:||||:||||:
Db      1 LHLVGCSTSV 10
      : ||:||||:||||:

RESULT 4
US-10-354-240-168
; Sequence 168, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 168
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-6.
US-10-354-240-168

Query Match      31.5%; Score 34; DB 14; Length 10;
Best Local Similarity 60.0%; Pred. No. 1.4e+02;
Matches      6; Conservative      3; Mismatches      1; Indels      0; Gaps      0;

QY      1 RTVSHVILHG 10
      : ||:||||:||||:
Db      1 KRVSNIHGLH 10
      : ||:||||:||||:

RESULT 5
US-10-354-240-167
; Sequence 167, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-6.
US-10-354-240-167
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; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-10-354-240-167

Query Match 31.5%; Score 34; DB 14; Length 11;
Best Local Similarity 60.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 2 KRVSNIHNG 11

RESULT 6

US-10-354-240-166
; Sequence 166, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12

; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-10-354-240-166

Query Match 31.5%; Score 34; DB 14; Length 12;
Best Local Similarity 60.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 3 KRVSNIHNG 12

RESULT 7

US-10-354-240-13
; Sequence 13, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13

; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-13.

Query Match 31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 4 KRVSNIHNG 13

RESULT 8

US-10-354-240-165
; Sequence 165, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13

; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-10-354-240-165

Query Match 31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 4 KRVSNIHNG 13

RESULT 9

US-10-354-240-174
; Sequence 174, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13

; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-10-354-240-174

Query Match 31.5%; Score 34; DB 14; Length 13;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 4 KRVSNIHNG 13

RESULT 10
US-10-354-240-164
; Sequence 164, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-10-354-240-164

Query Match 31.5%; Score 34; DB 14; Length 14;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 5 KRVSNIHNG 14

RESULT 11
US-10-354-240-36
; Sequence 36, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 22
US-10-354-240-36

Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 6 KRVSNIHNG 15

RESULT 12
US-10-354-240-159
; Sequence 159, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 159
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Figure 7, Row b
US-10-354-240-159

Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||: ||
Db 6 KRVSNIHNG 15

RESULT 13
US-10-354-240-163
; Sequence 163, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 163
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-1.
US-10-354-240-163

Query Match 31.5%; Score 34; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
: ||: ||:
Db 6 KRVSNNVIHG 15

RESULT 14
US-10-801-988-9
; Sequence 9, Application US/10801988
; Publication No. US20050026231A1
; GENERAL INFORMATION:
; APPLICANT: GEORGES, ELIAS
; APPLICANT: SERPASS, LUCILE
; APPLICANT: BONNEAU, ANNE-MARIE
; APPLICANT: DALLAIRE, FREDERIC
; TITLE OF INVENTION: TRIOSPHOSPHATE ISOMERASE DIRECTED DIAGNOSTICS AND
; TITLE OF INVENTION: THERAPEUTICS FOR MULTIDRUG RESISTANT NEOPLASTIC DISEASE
; FILE REFERENCE: 112418.151
; CURRENT APPLICATION NUMBER: US/10/801,988
; CURRENT FILING DATE: 2004-03-15
; PRIOR APPLICATION NUMBER: 60/455,005
; PRIOR FILING DATE: 2003-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn ver. 3.2
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-801-988-9

Query Match 30.6%; Score 33; DB 17; Length 18;
Best Local Similarity 35.7%; Pred. No. 3.8e+02;
Matches 5; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 3 VSHVILHGLNHGC 16
|:|: ||:
Db 1 VAHALAEGLVAC 14

RESULT 15
US-10-449-659-46
; Sequence 46, Application US/10449659
; Publication No. US20030229005A1
; GENERAL INFORMATION:
; APPLICANT: Cognosci, Inc.
; APPLICANT: Moss, Marcia Lynn
; APPLICANT: Rasmussen, Fred H.
; APPLICANT: Vitek, Michael P.
; TITLE OF INVENTION: Assays for measuring matrix metalloproteinase activities
; FILE REFERENCE: 56816-5001-US
; CURRENT APPLICATION NUMBER: US/10/449,659
; CURRENT FILING DATE: 2003-06-02
; PRIOR APPLICATION NUMBER: US 60/384,135
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 77

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 46
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: metalloproteinase substrate
US-10-449-659-46

Query Match 29.6%; Score 32; DB 15; Length 8;
Best Local Similarity 66.7%; Pred. No. 1.6e+06;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 11 LNIHGC 16
: ||: ||:
Db 3 VNLHGC 8

Search completed: June 20, 2005, 15:55:12
Job time : 54.45 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-14

Perfect score: 108

Sequence: 1 RTVSHVILHGLNHGNTSV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

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6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	69	63.9	20	3	US-08-467-023-37
2	62	57.4	15	4	US-09-142-524D-38
3	49	45.4	15	4	US-09-142-524D-37
4	38	35.2	15	4	US-09-142-524D-39
5	35	32.4	18	1	US-08-197-792-12
6	35	32.4	18	1	US-08-459-850-12
7	35	32.4	18	1	US-08-459-814-12
8	35	32.4	20	3	US-08-467-023-38
9	34	31.5	10	4	US-09-142-524D-168
10	34	31.5	11	4	US-09-142-524D-167
11	34	31.5	12	4	US-09-142-524D-166
12	34	31.5	13	4	US-09-142-524D-13
13	34	31.5	13	4	US-09-142-524D-165
14	34	31.5	13	4	US-09-142-524D-174
15	34	31.5	14	4	US-09-142-524D-164
16	34	31.5	15	4	US-09-142-524D-36
17	34	31.5	15	4	US-09-142-524D-159
18	34	31.5	15	4	US-09-142-524D-163
19	34	31.5	20	3	US-08-467-023-36
20	32	29.6	10	4	US-09-369-247-143
21	32	29.6	18	3	US-08-847-844A-50
22	31	28.7	7	3	US-08-142-590B-19
23	31	28.7	15	3	US-08-142-590B-5
24	31	28.7	18	2	US-08-747-315-4
25	31	28.7	18	3	US-08-142-590B-4
26	31	28.7	18	3	US-08-142-590B-24
27	31	28.7	18	4	US-09-285-783-4

Sequence 123, Appl
Sequence 23, Appl
Sequence 76, Appl
Sequence 76, Appl
Sequence 55, Appl
Sequence 76, Appl
Sequence 70, Appl
Sequence 76, Appl
Sequence 55, Appl
Sequence 76, Appl
Sequence 47, Appl
Sequence 47, Appl
Sequence 27, Appl
Sequence 801, Appl
Sequence 12, Appl
Sequence 46, Appl
Sequence 15, Appl
Sequence 15, Appl

ALIGNMENTS

RESULT 1

US-08-467-023-37

; Sequence 37, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,023

; FILING DATE: June 6, 1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/350,225

; FILING DATE: December 6, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Jane E. Remillard

; REGISTRATION NUMBER: 38,872

; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 37:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-197-792-12

Query Match 32.4%; Score 35; DB 1; Length 18;
Best Local Similarity 33.3%; Pred. No. 48;
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVILHGLNIHG 15
:|::||:|:
Db 3 AHILLHAVRVSG 14

RESULT 6
US-08-459-850-12
Sequence 12, Application US/08459850
Patent No. 5665568
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,850
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/958414
FILING DATE: 08-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/744207
FILING DATE: 12-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/215466
FILING DATE: 05-JUL-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/906729
FILING DATE: 31-DEC-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/827710
FILING DATE: 07-FEB-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 06/783910
FILING DATE: 03-OCT-1985
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 297P2D5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-850-12

Query Match 32.4%; Score 35; DB 1; Length 18;
Best Local Similarity 33.3%; Pred. No. 48;
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 4 SHVILHGLNIHG 15
:|::||:|:
Db 3 AHILLHAVRVSG 14

RESULT 7
US-08-459-214-12
Sequence 12, Application US/08459214
Patent No. 5716810
GENERAL INFORMATION:
APPLICANT: Anthony J. Mason
APPLICANT: Peter H. Seeburg
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide
TITLE OF INVENTION: Using such Nucleic Acid
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,214
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/197792
FILING DATE: 17-FEB-1994

; APPLICATION NUMBER: 07/958414
; FILING DATE: 08-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/744207
; FILING DATE: 12-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/215466
; FILING DATE: 05-JUL-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/906729
; FILING DATE: 31-DEC-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/827710
; FILING DATE: 07-FEB-1986
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 06/783910
; FILING DATE: 03-OCT-1985
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 297P2D6
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-459-214-12

Query Match 32.4%; Score 35; DB 1; Length 18;
Best Local Similarity 33.3%; Pred. No. 48;
Matches 4; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 4 SHVILHGLNIHG 15
Db 3 AHILLHVRVSG 14

RESULT 8
US-08-467-023-38
; Sequence 38, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995

; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-38

Query Match 32.4%; Score 35; DB 3; Length 20;
Best Local Similarity 60.0%; Pred. No. 54;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 11 LNIHGCTSV 20
Db 1 LYLYGCTSV 10

RESULT 9
US-09-142-524D-168
; Sequence 168, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 168
; LENGTH: 10
; TYPE: PPT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-6.
US-09-142-524D-168

Query Match 31.5%; Score 34; DB 4; Length 10;
Best Local Similarity 60.0%; Pred. No. 35;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RTVSHVILHG 10
Db 1 KRVSNIHVG 10

RESULT 10
US-09-142-524D-167
; Sequence 167, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo

```

; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 167
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-5.
US-09-142-524D-167

Query Match      31.5%; Score 34; DB 4; Length 11;
Best Local Similarity 60.0%; Pred. No. 39;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy      1 RTVSHVILHG 10
Db      2 KRVSNNVIHG 11

RESULT 11
US-09-142-524D-166
; Sequence 166, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 166
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-4.
US-09-142-524D-166

Query Match      31.5%; Score 34; DB 4; Length 12;
Best Local Similarity 60.0%; Pred. No. 43;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy      1 RTVSHVILHG 10
Db      3 KRVSNNVIHG 12

RESULT 12
US-09-142-524D-13
; Sequence 13, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko

```

```

; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 47;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy      1 RTVSHVILHG 10
Db      4 KRVSNNVIHG 13

RESULT 13
US-09-142-524D-165
; Sequence 165, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 165
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-3.
US-09-142-524D-165

Query Match      31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 47;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy      1 RTVSHVILHG 10
Db      4 KRVSNNVIHG 13

RESULT 14
US-09-142-524D-174
; Sequence 174, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D

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; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 174
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figures 17 and 18.
US-09-142-524D-174

Query Match 31.5%; Score 34; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 47;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 4 KRVSNIILHG 13

RESULT 15
US-09-142-524D-164
; Sequence 164, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 164
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Figure 15, p22-2.
US-09-142-524D-164

Query Match 31.5%; Score 34; DB 4; Length 14;
Best Local Similarity 60.0%; Pred. No. 51;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 RTVSHVILHG 10
Db 5 KRVSNIILHG 14

Search completed: June 20, 2005, 14:22:17
Job time : 17.15 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-16
Perfect score: 99
Sequence: 1 SGNVLISEAGVVPVHAQD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	52	52.5	15	14	US-10-354-240-42
2	48	48.5	15	14	US-10-354-240-41
3	43	43.4	15	14	US-10-354-240-43
4	36	36.4	20	9	US-09-813-333-51
5	36	36.4	20	13	US-10-044-703-51
6	36	36.4	20	15	US-10-239-103-51
7	35	35.4	19	10	US-09-994-595-91
8	34	34.3	18	17	US-10-836-825A-9
9	33.5	33.8	16	10	US-09-747-802-33
10	33.5	33.8	16	10	US-09-865-294-25
11	33.5	33.8	16	16	US-10-789-619-33
					Sequence 42, Appl
					Sequence 41, Appl
					Sequence 43, Appl
					Sequence 51, Appl
					Sequence 51, Appl
					Sequence 51, Appl
					Sequence 91, Appl
					Sequence 9, Appl
					Sequence 33, Appl
					Sequence 25, Appl
					Sequence 33, Appl

Query Match 52.5%; Score 52; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.12;
Matches 10; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

12	33.5	33.8	16	16	US-10-861-614-25	Sequence 25, Appl
13	32	32.3	10	17	US-10-808-187-1608	Sequence 1608, Ap
14	32	32.3	16	8	US-08-424-5508-366	Sequence 366, App
15	32	32.3	20	16	US-10-776-013-316	Sequence 316, App
16	31.5	31.8	19	10	US-09-747-802-49	Sequence 49, Appl
17	31.5	31.8	19	10	US-09-747-802-55	Sequence 55, Appl
18	31.5	31.8	19	10	US-09-747-802-57	Sequence 57, Appl
19	31.5	31.8	19	10	US-09-865-294-38	Sequence 38, Appl
20	31.5	31.8	19	10	US-09-865-294-41	Sequence 41, Appl
21	31.5	31.8	19	10	US-09-865-294-47	Sequence 47, Appl
22	31.5	31.8	19	10	US-09-865-294-49	Sequence 49, Appl
23	31.5	31.8	19	16	US-10-789-619-49	Sequence 49, Appl
24	31.5	31.8	19	16	US-10-789-619-55	Sequence 55, Appl
25	31.5	31.8	19	16	US-10-789-619-57	Sequence 57, Appl
26	31.5	31.8	19	16	US-10-861-614-38	Sequence 38, Appl
27	31.5	31.8	19	16	US-10-861-614-41	Sequence 41, Appl
28	31.5	31.8	19	16	US-10-861-614-47	Sequence 47, Appl
29	31.5	31.8	19	16	US-10-861-614-49	Sequence 49, Appl
30	31	31.3	11	15	US-10-468-543-13	Sequence 13, Appl
31	31	31.3	13	15	US-10-256-850-53	Sequence 53, Appl
32	31	31.3	13	16	US-10-681-381B-54	Sequence 54, Appl
33	31	31.3	15	10	US-09-563-222-63	Sequence 63, Appl
34	31	31.3	15	14	US-10-354-240-40	Sequence 40, Appl
35	31	31.3	15	16	US-10-783-950-63	Sequence 63, Appl
36	31	31.3	20	13	US-10-032-482-25	Sequence 25, Appl
37	31	31.3	20	15	US-10-362-776-19	Sequence 19, Appl
38	31	31.3	20	17	US-10-482-284A-118	Sequence 118, App
39	30.5	30.8	15	10	US-09-747-802-35	Sequence 35, Appl
40	30.5	30.8	15	10	US-09-747-802-38	Sequence 38, Appl
41	30.5	30.8	15	10	US-09-747-802-42	Sequence 42, Appl
42	30.5	30.8	15	10	US-09-747-802-44	Sequence 44, Appl
43	30.5	30.8	15	10	US-09-865-294-27	Sequence 27, Appl
44	30.5	30.8	15	10	US-09-865-294-30	Sequence 30, Appl
45	30.5	30.8	15	10	US-09-865-294-34	Sequence 34, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-42

; Sequence 42, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT APPLICATION NUMBER: US/10/354,240

; CURRENT FILING DATE: 2003-01-29

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; PRIOR APPLICATION NUMBER: US 09/142,524

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 42

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 28

US-10-354-240-42

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QY 6 ISEASGVVPVHAQDG 20
    |.:|:|:|:|:|:|
Db 1 INESFGVEPVHPQDG 15

RESULT 2
US-10-354-240-41
; Sequence 41, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 27
US-10-354-240-41

Query Match 48.5%; Score 48; DB 14; Length 15;
Best Local Similarity 71.4%; Pred. No. 0.57;
Matches 10; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 GNVLISEASGVVPV 15
Db 2 GNVLINESFGVEPV 15

RESULT 3
US-10-354-240-43
; Sequence 43, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29
US-10-354-240-43
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Query Match 43.4%; Score 43; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.8;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 GVPVPHAQDG 20
    |||||:|:|
Db 1 GVEPVHPQDG 10

RESULT 4
US-09-813-333-51
; Sequence 51, Application US/09813333
; Patent No. US20020119160A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/09/813,333
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-813-333-51

Query Match 36.4%; Score 36; DB 9; Length 20;
Best Local Similarity 54.5%; Pred. No. 79;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 10 SGVVPVHAQDG 20
    :|||:|:|
Db 10 TAVVPLHRSDG 20

RESULT 5
US-10-044-703-51
; Sequence 51, Application US/10044703
; Publication No. US20020192233A1
; GENERAL INFORMATION:
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/10/044,703
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-51

Query Match 36.4%; Score 36; DB 13; Length 20;
Best Local Similarity 54.5%; Pred. No. 79;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 10 SGVVPVHAQDG 20
    :|||:|:|
Db 10 TAVVPLHRSDG 20

RESULT 6
US-10-239-103-51
; Sequence 51, Application US/10239103
; Publication No. US20040057961A1
; GENERAL INFORMATION:
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; APPLICANT: Brown University Research Foundation
; APPLICANT: DeGroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004-061
; CURRENT APPLICATION NUMBER: US/10/239,103
; CURRENT FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 09/813,333
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-239-103-51

Query Match      36.4%; Score 36; DB 15; Length 20;
Best Local Similarity 54.5%; Pred. No. 79;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy      10 SGVVPVHAQDG 20
       : |||: ||
Db      10 TAVVPLHRSDG 20

RESULT 7
US-09-994-595-91
; Sequence 91, Application US/09994595
; Publication No. US20030039981A1
; GENERAL INFORMATION:
; APPLICANT: Bhattacharjee, J.
; APPLICANT: Suvarna, Kalavati
; APPLICANT: Bhattacharjee, Vasker
; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
; FILE REFERENCE: 96,247-A
; CURRENT APPLICATION NUMBER: US/09/994,595
; CURRENT FILING DATE: 2001-11-27
; PRIOR APPLICATION NUMBER: 08/650,809
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 91
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-994-595-91

Query Match      35.4%; Score 35; DB 10; Length 19;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      13 VPVHAQDG 20
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Db      9 VPVTHQDG 16

RESULT 8
US-10-836-825A-9
; Sequence 9, Application US/10836825A
; Publication No. US20050069530A1
; GENERAL INFORMATION:
; APPLICANT: GOPALAKRISHNANONE, Ponnampalam
; APPLICANT: THWIN, Maung-Maung
; APPLICANT: ONG, Wei-Yi
; APPLICANT: SAITO, Kazuki
; TITLE OF INVENTION: Phospholipase A2-Inhibitory Peptide with Anti-Arthritic and
; TITLE OF INVENTION: Neuroprotective Activities
; FILE REFERENCE: 10104SG116
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; CURRENT APPLICATION NUMBER: US/10/836,825A
; CURRENT FILING DATE: 2004-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Python reticulatus
US-10-836-825A-9

Query Match      34.3%; Score 34; DB 17; Length 18;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      11 GVVPVHAQDG 20
       |||: ||
Db      8 GVVDIHVWDG 17

RESULT 9
US-09-747-802-33
; Sequence 33, Application US/09747802
; Publication No. US20030027979A1
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/09/747,802
; CURRENT FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-33

Query Match      33.8%; Score 33.5; DB 10; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy      6 ISEASGVVPVHAQDG 20
       : ||| |||
Db      2 VSDVKGVV-VHKVDG 15

RESULT 10
US-09-865-294-25
; Sequence 25, Application US/09865294
; Publication No. US20030068325A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the
; FILE REFERENCE: 1151-4167
; CURRENT APPLICATION NUMBER: US/09/865,294
; CURRENT FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Measles virus
US-09-865-294-25

Query Match      33.8%; Score 33.5; DB 10; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;
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```
Qy 6 ISEASGVVPVHAQDG 20
   :||: ||| ||| |||
Db 2 VSDVKGVV-VHKVDG 15

RESULT 11
US-10-789-619-33
; Sequence 33, Application US/10789619
; Publication No. US20040141993A1
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; PREVENTION OF URINARY TRACT INFECTION
; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/10/789,619
; CURRENT FILING DATE: 2004-02-27
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-10-789-619-33

Query Match 33.8%; Score 33.5; DB 16; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISEASGVVPVHAQDG 20
   :||: ||| ||| |||
Db 2 VSDVKGVV-VHKVDG 15

RESULT 12
US-10-861-614-25
; Sequence 25, Application US/10861614
; Publication No. US20040247612A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Chang Yi
; TITLE OF INVENTION: Immunogenic peptide composition as vaccines for the prevention an
; FILE REFERENCE: 1151-4167
; CURRENT APPLICATION NUMBER: US/10/861,614
; CURRENT FILING DATE: 2004-06-04
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Measles virus
US-10-861-614-25

Query Match 33.8%; Score 33.5; DB 16; Length 16;
Best Local Similarity 53.3%; Pred. No. 1.6e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISEASGVVPVHAQDG 20
   :||: ||| ||| |||
Db 2 VSDVKGVV-VHKVDG 15

RESULT 13
US-10-808-187-1608
; Sequence 1608, Application US/10808187
; Publication No. US2005009009A1
; GENERAL INFORMATION:
; APPLICANT: PEIRIS, JOSEPH S. M.
; APPLICANT: YUEN, KWOK YUNG
; APPLICANT: POON, LIT MAN
; APPLICANT: GUAN, YI

; APPLICANT: CHAN, KWOK HUNG
; APPLICANT: NICHOLLS, JOHN
; TITLE OF INVENTION: A DIAGNOSTIC ASSAY FOR THE HUMAN VIRUS CAUSING SEVERE ACUTE
; TITLE OF INVENTION: RESPIRATORY SYNDROME (SARS)
; FILE REFERENCE: V9661.0078
; CURRENT APPLICATION NUMBER: US/10/808,187
; CURRENT FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: 60/457,031
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: 60/457,730
; PRIOR FILING DATE: 2003-03-26
; PRIOR APPLICATION NUMBER: 60/459,931
; PRIOR FILING DATE: 2003-04-02
; PRIOR APPLICATION NUMBER: 60/460,357
; PRIOR FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/461,265
; PRIOR FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/462,805
; PRIOR FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: 60/468,139
; PRIOR FILING DATE: 2003-05-05
; PRIOR APPLICATION NUMBER: 60/464,886
; PRIOR FILING DATE: 2003-04-23
; PRIOR APPLICATION NUMBER: 60/471,200
; PRIOR FILING DATE: 2003-05-16
; NUMBER OF SEQ ID NOS: 2476
; SOFTWARE: PatentIn ver. 3.2
; SEQ ID NO 1608
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Human severe acute respiratory system virus
US-10-808-187-1608

Query Match 32.3%; Score 32; DB 17; Length 10;
Best Local Similarity 87.5%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 7 SEASGVVP 14
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Db 2 SEASGVVP 9

RESULT 14
US-08-424-550B-366
; Sequence 366, Application US/08424550B
; Publication No. US20020119447A1
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUERHOFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MURAHWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/08/424,550B
; FILING DATE:
; CLASSIFICATION: 435435
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-424-550B-366

Query Match 32.3%; Score 32; DB 8; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 VPVHAQ 18
Db 4 VPVHAQ 9

RESULT 15
US-10-776-013-316
; Sequence 316, Application US/10776013
; Publication No. US20040226056A1
; GENERAL INFORMATION:
; APPLICANT: MYRIAD GENETICS, INC.
; APPLICANT: Roch, Jean-Marc
; APPLICANT: Bartel, Paul
; APPLICANT: Heichman, Karen
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
; FILE OF INVENTION: DISEASES
; FILE REFERENCE: 1600.24
; CURRENT APPLICATION NUMBER: US/10/776,013
; CURRENT FILING DATE: 2004-02-09
; PRIOR APPLICATION NUMBER: 09/948904
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 09/466139
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/113534
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/124120
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/141243
; PRIOR FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/975072
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240790
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 10/194967
; PRIOR FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 60/304775
; PRIOR FILING DATE: 2001-07-13
; NUMBER OF SEQ ID NOS: 695
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 316
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-776-013-316

Query Match 32.3%; Score 32; DB 16; Length 20;
Best Local Similarity 45.5%; Pred. No. 3.7e+02;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 6 ISEASGVVPVH 16
:|:|:|:|

Db 4 MSPSNNVVPVPIH 14

Search completed: June 20, 2005, 15:55:12
Job time : 53.45 secs

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: LOCATION: (1)-(15)

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ZIP: 02154

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/467,023
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 US2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-40

Query Match 43.4%; Score 43; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.3;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 GVVPVHAQDG 20
||| ||| |||
Db 1 GVEPVHPQDG 10

RESULT 6
US-09-106-568E-91
Sequence 91, Application US/09106568E
Patent No. 6455248
GENERAL INFORMATION:
APPLICANT: Bhattacherjee, J.
APPLICANT: Suvarna, Kalavati
APPLICANT: Bhattacherjee, Vasker
TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
TITLE OF INVENTION: A BIOLOGICAL SAMPLE
FILE REFERENCE: 96,247-A
CURRENT APPLICATION NUMBER: US/09/106,568E
CURRENT FILING DATE: 1998-06-29
PRIOR APPLICATION NUMBER: 08/650,809
PRIOR FILING DATE: 1997-05-20
NUMBER OF SEQ ID NOS: 160
SOFTWARE: Microsoft Word 97
SEQ ID NO 91
LENGTH: 19
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-106-568E-91

Query Match 35.4%; Score 35; DB 4; Length 19;
Best Local Similarity 75.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 13 VPVHAQDG 20
||| ||| |||
Db 9 VPTHKQDG 16

RESULT 7
US-09-100-414B-4

Sequence 4, Application US/09100414B
Patent No. 6025468
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: NOVEL LHRH PEPTIDE
TITLE OF INVENTION: IMMUNOGENS
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC Windows
SOFTWARE: Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/100,414B
FILING DATE: 20-JUNE-1998
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maria H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4157
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: LINEAR
MOLECULE TYPE: peptide
US-09-100-414B-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISEASGVVPVHAQDG 20
:|: ||| ||| |||
Db 2 VSDVKGVV-VHKVDG 15

RESULT 8
US-09-100-409A-63
Sequence 63, Application US/09100409A
Patent No. 6090388
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: PEPTIDE COMPOSITION FOR
TITLE OF INVENTION: PREVENTION AND TREATMENT OF HIV INFECTION AND
TITLE OF INVENTION: IMMUNE DISORDERS
NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
SOFTWARE: #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/100,409A
FILING DATE:

CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME:
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 1151-4154
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-100-409A-63

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGWV-VHKVDG 15

RESULT 9
US-09-303-323-4
Sequence 4, Application US/09303323
Patent No. 6228987
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: NOVEL LHRH PEPTIDE
TITLE OF INVENTION: IMMUNOGENS
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC Windows
SOFTWARE: Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/303,323
FILING DATE: 30-APR-1999
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/100,414
FILING DATE: 20-JUNE-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maria H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4157
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: LINEAR
MOLECULE TYPE: peptide
US-09-303-323-4

Query Match 33.8%; Score 33.5; DB 3; Length 16;
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20

Db 2 VSDVKGWV-VHKVDG 15
RESULT 10
US-09-770-014-4
Sequence 4, Application US/09770014
Patent No. 6559282
GENERAL INFORMATION:
APPLICANT: Wang, Chang Yi
TITLE OF INVENTION: NOVEL LHRH PEPTIDE
TITLE OF INVENTION: IMMUNOGENS
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC Windows
SOFTWARE: Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/770,014
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/100,414
FILING DATE: 20-JUNE-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maria H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4157
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: 212-751-6849
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: LINEAR
MOLECULE TYPE: peptide
US-09-770-014-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 6 ISEASGVVPVHAQDG 20
Db 2 VSDVKGWV-VHKVDG 15

RESULT 11
US-09-701-588C-4
Sequence 4, Application US/09701588C
Patent No. 6713301
GENERAL INFORMATION:
APPLICANT: UNITED BIOMEDICAL INC., ET AL.
TITLE OF INVENTION: ARTIFICIAL T HELPER CELL
EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC
PEPTIDE IMMUNOGENS
NUMBER OF SEQUENCES: 151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10154-0054

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC Windows
; SOFTWARE: Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/701,588C
; FILING DATE: 29-JUN-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/100,414
; FILING DATE: 20-JUNE-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4158PC1
; TELEPHONE: 212-758-4800
; TELEFAX: 212-751-6849
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: LINEAR
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-701-588C-4

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISEASGVVPHVHAQDG 20
Db 2 VSDVKGWV-VHKVDG 15

RESULT 12
US-09-747-802-33
; Sequence 33, Application US/09747802
; Patent No. 6780969
; GENERAL INFORMATION:
; APPLICANT: WANG, CHANG YI
; TITLE OF INVENTION: SYNTHETIC PEPTIDE COMPOSITION AS IMMUNOGENS FOR
; FILE OF INVENTION: PREVENTION OF URINARY TRACT INFECTION
; FILE REFERENCE: 1151-4165
; CURRENT APPLICATION NUMBER: US/09/747,802
; CURRENT FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO. 33
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: T HELPER
; OTHER INFORMATION: SEQUENCE DERIVED FROM MEASLES VIRUS
US-09-747-802-33

Query Match 33.8%; Score 33.5; DB 4; Length 16;
Best Local Similarity 53.3%; Pred. No. 38;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

Qy 6 ISEASGVVPHVHAQDG 20
Db 2 VSDVKGWV-VHKVDG 15

RESULT 13
US-09-112-096-11
; Sequence 11, Application US/09112096
; Patent No. 6194152
; GENERAL INFORMATION:
; APPLICANT: Reiner Laus
; APPLICANT: Michael H. Shapiro
; APPLICANT: Larisa Teavaler
; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
; TITLE OF INVENTION: Antigen Compositions
; FILE REFERENCE: 7636-0015.30
; CURRENT APPLICATION NUMBER: US/09/112,096
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: 60/056,110
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-112-096-11

Query Match 33.3%; Score 33; DB 3; Length 14;
Best Local Similarity 58.3%; Pred. No. 39;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 VLISEASGVVVPV 15
Db 3 VKINXSGKIPV 14

RESULT 14
US-08-960-128-6
; Sequence 6, Application US/08960128
; Patent No. 5951985
; GENERAL INFORMATION:
; APPLICANT: Butler, Sandra M.
; APPLICANT: Pomato, Nicholas
; APPLICANT: Bos, Ebo
; APPLICANT: Hanna, Micheal G.
; APPLICANT: Haspel, Martin V.
; APPLICANT: Hoover, Herbert C.
; TITLE OF INVENTION: Tumor Associated Epitopes
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Akzo No. 5951985el Patent Department
; STREET: 1300 Piccard Drive, Suite 206
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/960,128
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/478,591
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Gormley, Mary E.
; REGISTRATION NUMBER: 34,409
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 258-5200
; TELEFAX: (301) 977-0847
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO

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US-08-960-128-6

Job time : 16.15 secs

Query Match 32.3%; Score 32; DB 2; Length 15;
Best Local Similarity 60.0%; Pred. No. 63;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 5 LISEASGVVP 14
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Db 5 LVSESDVLP 14

RESULT 15

US-08-469-260A-366
; Sequence 366, Application US/08469260A
; Patent No. 6451578
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUERHOFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,260A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-260A-366

Query Match 32.3%; Score 32; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 VEVHAQ 18
|:|:|:|:|:|
Db 4 VEVHAQ 9

Search completed: June 20, 2005, 14:22:17

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-17

Perfect score: 104

Sequence: 1 GVFPVHAQDGAITMRNVTD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	43	41.3	15	14	US-10-354-240-42
4	37	35.6	19	10	US-09-994-595-91
5	35	33.7	20	9	US-09-813-333-51
6	35	33.7	20	13	US-10-044-703-51
7	35	33.7	20	15	US-10-239-103-51
8	34	32.7	20	17	US-10-836-825A-9
9	32	30.8	16	8	US-08-424-550B-366
10	31	29.8	11	15	US-10-468-543-13
11	31	29.8	13	15	US-10-256-850-53
					Sequence 43, Appl
					Sequence 44, Appl
					Sequence 42, Appl
					Sequence 91, Appl
					Sequence 51, Appl
					Sequence 51, Appl
					Sequence 51, Appl
					Sequence 51, Appl
					Sequence 366, App
					Sequence 13, Appl
					Sequence 53, Appl

12	31	29.8	14	9	US-09-826-290-39	Sequence 39, Appl
13	31	29.8	14	9	US-09-826-290-61	Sequence 61, Appl
14	31	29.8	14	9	US-09-826-290-415	Sequence 415, App
15	31	29.8	14	15	US-10-264-309-190	Sequence 190, Appl
16	31	29.8	20	15	US-10-416-090-2	Sequence 2, Appl
17	30	28.8	13	15	US-10-256-850-56	Sequence 56, Appl
18	30	28.8	13	15	US-10-256-850-57	Sequence 57, Appl
19	30	28.8	15	14	US-10-354-240-45	Sequence 45, Appl
20	30	28.8	20	9	US-09-735-705-248	Sequence 248, App
21	30	28.8	20	9	US-09-735-705-378	Sequence 378, App
22	30	28.8	20	9	US-09-850-716A-248	Sequence 248, App
23	30	28.8	20	9	US-09-850-716A-378	Sequence 378, App
24	30	28.8	20	9	US-09-897-778-248	Sequence 248, App
25	30	28.8	20	9	US-09-897-778-378	Sequence 378, App
26	30	28.8	20	14	US-10-007-700-248	Sequence 248, App
27	30	28.8	20	14	US-10-007-700-378	Sequence 378, App
28	30	28.8	20	14	US-10-117-982-248	Sequence 248, App
29	30	28.8	20	14	US-10-117-982-378	Sequence 378, App
30	30	28.8	20	14	US-10-280-066-315	Sequence 315, App
31	30	28.8	20	15	US-10-313-986-248	Sequence 248, App
32	30	28.8	20	15	US-10-313-986-378	Sequence 378, App
33	30	28.8	20	16	US-10-775-972-248	Sequence 248, App
34	30	28.8	20	16	US-10-775-972-378	Sequence 378, App
35	29.5	28.4	15	10	US-09-894-594-37	Sequence 37, Appl
36	29.5	28.4	15	10	US-09-894-594-54	Sequence 54, Appl
37	29	27.9	12	17	US-10-478-647-8	Sequence 8, Appl
38	29	27.9	20	13	US-10-032-482-25	Sequence 25, Appl
39	29	27.9	20	14	US-10-135-207-13	Sequence 13, Appl
40	29	27.9	20	14	US-10-356-191-12	Sequence 12, Appl
41	29	27.9	20	14	US-10-356-191-21	Sequence 21, Appl
42	28	26.9	7	10	US-09-990-186-672	Sequence 672, App
43	28	26.9	7	10	US-09-990-186-675	Sequence 675, App
44	28	26.9	7	10	US-09-989-994-672	Sequence 672, App
45	28	26.9	7	10	US-09-989-994-675	Sequence 675, App

ALIGNMENTS

RESULT 1

US-10-354-240-43
; Sequence 43, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JF97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent version 3.1
; SEQ ID NO 43
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 29
US-10-354-240-43

Query Match 59.6%; Score 62; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0024;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;


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RESULT 6
US-10-044-703-51
; Sequence 51, Application US/10044703
; Publication No. US2002019223A1
; GENERAL INFORMATION:
; APPLICANT: Degroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004 US
; CURRENT APPLICATION NUMBER: US/10/044,703
; CURRENT FILING DATE: 2002-05-20
; PRIOR APPLICATION NUMBER: 60/190,834
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-044-703-51
Query Match      33.7%; Score 35; DB 13; Length 20;
Best Local Similarity 66.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      2 VVPVHAQDG 10
      |||:| ||
Db     12 VVPLHRS DG 20

RESULT 7
US-10-239-103-51
; Sequence 51, Application US/10239103
; Publication No. US20040057961A1
; GENERAL INFORMATION:
; APPLICANT: Brown University Research Foundation
; APPLICANT: Degroot, Anne S
; TITLE OF INVENTION: Human T Cell Response to MHC-Binding Motif Clusters
; FILE REFERENCE: 17999-004-061
; CURRENT APPLICATION NUMBER: US/10/239,103
; CURRENT FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: 09/813,333
; PRIOR FILING DATE: 2001-03-20
; PRIOR FILING DATE: 2000-03-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-239-103-51
Query Match      33.7%; Score 35; DB 15; Length 20;
Best Local Similarity 66.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      2 VVPVHAQDG 10
      |||:| ||
Db     12 VVPLHRS DG 20

RESULT 8
US-10-836-825A-9
; Sequence 9, Application US/10836825A
; Publication No. US20050069530A1
; GENERAL INFORMATION:
; APPLICANT: GOPALAKRISHNAKONE, Ponnampalam
; APPLICANT: THWIN, Maung-Maung
; APPLICANT: ONG, Wei-Vi
; APPLICANT: SATO, Kazuki
; TITLE OF INVENTION: Phospholipase A2-Inhibitory Peptide with Anti-Arthritic and
; TITLE OF INVENTION: Neuroprotective Activities
; FILE REFERENCE: 101045G116
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; CURRENT APPLICATION NUMBER: US/10/836,825A
; CURRENT FILING DATE: 2004-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Python reticulatus
US-10-836-825A-9
Query Match      32.7%; Score 34; DB 17; Length 18;
Best Local Similarity 60.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy      1 GVPVHAQDG 10
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Db     8 GVVDIHWDG 17

RESULT 9
US-08-424-550B-366
; Sequence 366, Application US/08424550B
; Publication No. US20020119447A1
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHROFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; NUMBER OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550B
; FILING DATE:
; CLASSIFICATION: 435435
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-424-550B-366
Query Match      30.8%; Score 32; DB 8; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      3 VPVHAQ 8
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Db 4 VPVHAQ 9
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RESULT 10
US-10-468-543-13
; Sequence 13, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION:
; APPLICANT: Irimura, Tatsuro
; APPLICANT: Matsumoto, Muziko
; APPLICANT: Yim, Mijung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Generated from randomly recombinant DNA part of MAH.
US-10-468-543-13

Query Match 29.8%; Score 31; DB 15; Length 11;
Best Local Similarity 62.5%; Pred. No. 2.4e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 VPVHAQD 9
|:|:|
Db 2 VVPLHLQD 9

RESULT 11
US-10-256-850-53
; Sequence 53, Application US/10256850
; Publication No. US20040024178A1
; GENERAL INFORMATION:
; APPLICANT: ASHMAN, STEPHEN
; APPLICANT: BLACK, MICHAEL T.
; APPLICANT: BRUTON, GORDON
; APPLICANT: HUMPHRIES, ALFRED JOHN
; APPLICANT: MOORE, KEITH JAMES
; TITLE OF INVENTION: BACTERIAL SIGNAL PEPTIDASE INHIBITORS
; FILE REFERENCE: P32237
; CURRENT APPLICATION NUMBER: US/10/256,850
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: 09/890,633
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: PCT/EP00/00751
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: GB 9902399.6
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Intermediate peptide resin
US-10-256-850-53

Query Match 29.8%; Score 31; DB 15; Length 13;
Best Local Similarity 62.5%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 3 VPVHAQDG 10
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Db 3 LPAHAADG 10

RESULT 12
US-09-826-290-39
; Sequence 39, Application US/09826290
; Patent No. US20020164668A1
; GENERAL INFORMATION:
; APPLICANT: Durham, L. Kathryn
; APPLICANT: Friedman, David L.
; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
; APPLICANT: Kimmel, Lida H.
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Potter, David M.
; APPLICANT: Rohlf, Christian
; APPLICANT: Silber, B. Michael
; APPLICANT: Stiger, Thomas R.
; APPLICANT: Sunderland, P. Trey
; APPLICANT: Townsend, Robert Reid
; APPLICANT: White, Frost
; APPLICANT: Williams, Stephen A.
; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
; TITLE OF INVENTION: Uses Thereof, Including Diagnosis and Treatment of
; TITLE OF INVENTION: Alzheimer's Disease
; FILE REFERENCE: 2572-1-001 N2
; CURRENT APPLICATION NUMBER: US/09/826,290
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 60/194,504
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/253,647
; PRIOR FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 492
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: homo sapien
US-09-826-290-39

Query Match 29.8%; Score 31; DB 9; Length 14;
Best Local Similarity 50.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 9 DGDATMRNVTD 20
|||:|
Db 2 DGDITFSNVQE 13

RESULT 13
US-09-826-290-61
; Sequence 61, Application US/09826290
; Patent No. US20020164668A1
; GENERAL INFORMATION:
; APPLICANT: Durham, L. Kathryn
; APPLICANT: Friedman, David L.
; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
; APPLICANT: Kimmel, Lida H.
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Potter, David M.
; APPLICANT: Rohlf, Christian
; APPLICANT: Silber, B. Michael
; APPLICANT: Stiger, Thomas R.
; APPLICANT: Sunderland, P. Trey
; APPLICANT: Townsend, Robert Reid
; APPLICANT: White, Frost
; APPLICANT: Williams, Stephen A.
; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
; TITLE OF INVENTION: Uses Thereof, Including Diagnosis and Treatment of
; TITLE OF INVENTION: Alzheimer's Disease
; FILE REFERENCE: 2572-1-001 N2
; CURRENT APPLICATION NUMBER: US/09/826,290

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; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 60/194,504
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/253,647
; PRIOR FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 492
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 61
; LENGTH: 14
; TYPE: PRT
; ORGANISM: homo sapien
US-09-826-290-61

Query Match      29.8%; Score 31; DB 9; Length 14;
Best Local Similarity 50.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 9 DGDATMRNVTD 20
Db 2 DGDITIFSNVQE 13

RESULT 14
US-09-826-290-415
; Sequence 415, Application US/09826290
; Patent No. US20020164668A1
; GENERAL INFORMATION:
; APPLICANT: Durham, L. Kathryn
; APPLICANT: Friedman, David L.
; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
; APPLICANT: Kimmel, Lida H.
; APPLICANT: Parekh, Rajesh Bhikhu
; APPLICANT: Potter, David M.
; APPLICANT: Rohlf, Christian
; APPLICANT: Silber, B. Michael
; APPLICANT: Stiger, Thomas R.
; APPLICANT: Sunderland, P. Trey
; APPLICANT: Townsend, Robert Reid
; APPLICANT: White, Frost
; APPLICANT: Williams, Stephen A.
; TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
; TITLE OF INVENTION: Uses Therefor, Including Diagnosis and Treatment of
; FILE OF INVENTION: Alzheimer's Disease
; FILE REFERENCE: 2572-1-001 N2
; CURRENT APPLICATION NUMBER: US/09/826,290
; CURRENT FILING DATE: 2001-04-30
; PRIOR APPLICATION NUMBER: US 60/194,504
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: US 60/253,647
; PRIOR FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 492
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 415
; LENGTH: 14
; TYPE: PRT
; ORGANISM: homo sapien
US-09-826-290-415

Query Match      29.8%; Score 31; DB 9; Length 14;
Best Local Similarity 50.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 9 DGDATMRNVTD 20
Db 2 DGDITIFSNVQE 13

RESULT 15
US-10-264-309-190
; Sequence 190, Application US/10264309
; Publication No. US20040022794A1
; GENERAL INFORMATION:
; APPLICANT: DURHAM, L. KATHRYN
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; APPLICANT: FRIEDMAN, DAVID L.
; APPLICANT: HERATH, HERATH
; APPLICANT: KIMMEL, LIDA H.
; APPLICANT: PAREKH, RAJESH B.
; APPLICANT: POTTER, DAVID M.
; APPLICANT: ROHLFF, CHRISTIAN
; APPLICANT: SILBER, B. MICHAEL
; APPLICANT: SNYDER, PETER J.
; APPLICANT: SOARES, HOLLY D.
; APPLICANT: STIGER, THOMAS R.
; APPLICANT: SUNDERLAND, P. TREY
; APPLICANT: TOWNSEND, ROBERT R.
; APPLICANT: WHITE, W. FROST
; APPLICANT: WILLIAMS, STEPHEN A.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES, POLYPEPTIDES AND USES THEREFOR,
; FILE REFERENCE: POA-002.01
; CURRENT APPLICATION NUMBER: US/10/264,309
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: 60/326,708
; PRIOR FILING DATE: 2001-10-03
; NUMBER OF SEQ ID NOS: 491
; SOFTWARE: PatentIn Version 2.1
; SEQ ID NO 190
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-264-309-190

Query Match      29.8%; Score 31; DB 15; Length 14;
Best Local Similarity 50.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 9 DGDATMRNVTD 20
Db 2 DGDITIFSNVQE 13

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OM protein - protein search, using sw model

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(without alignments)
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Perfect score: 102

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Searched: 513545 seqs, 74649064 residues

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Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	77	75.5	20	3	US-08-467-023-33
3	60	58.8	15	4	US-09-142-524D-29
4	59	57.8	15	4	US-09-142-524D-30
5	39	38.2	15	4	US-09-142-524D-28
6	39	38.2	20	3	US-08-467-023-32
7	38	37.3	15	4	US-09-142-524D-31
8	38	37.3	20	3	US-08-467-023-34
9	37	36.3	19	4	US-09-402-401C-42
10	35	34.3	13	4	US-09-149-476-714
11	31	30.4	18	3	US-09-177-249-244
12	31	30.4	18	4	US-09-812-283-244
13	30	29.4	13	4	US-09-461-325-525
14	30	29.4	13	4	US-10-012-542-525
15	30	29.4	13	4	US-10-115-123-525
16	30	29.4	17	1	US-08-437-841-12
17	30	29.4	17	1	US-08-286-521-12
18	30	29.4	17	1	US-08-436-175-12
19	30	29.4	17	2	US-08-435-149-8
20	30	29.4	17	3	US-08-943-682-12
21	30	29.4	17	4	US-09-741-106-12
22	30	29.4	17	5	PCT-US95-09464-12
23	29	28.4	10	4	US-09-490-702B-65
24	29	28.4	14	1	US-08-281-193-12
25	29	28.4	14	1	US-08-422-106-12
26	29	28.4	14	2	US-08-735-716-12
27	29	28.4	14	2	US-08-555-568B-12

ALIGNMENTS

RESULT 1

US-09-142-524D-11
; Sequence 11, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/Jp97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: Patentin version 3.1

; SEQ ID NO 11

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

US-09-142-524D-11

Query Match 100.0%; Score 102; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 7.8e-11;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IFSKNLNKLNMPLYIAGNK 20

|||||

Db 1 IFSKNLNKLNMPLYIAGNK 20

RESULT 2

US-08-467-023-33

; Sequence 33, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

Sequence 12, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 11, Appl
Sequence 1, Appl
Sequence 11, Appl
Sequence 13145, A
Sequence 11, Appl
Sequence 77, Appl
Sequence 2483, Ap
Sequence 131, App
Sequence 131, App
Sequence 43, Appl
Sequence 47, Appl
Sequence 50, Appl
Sequence 234, App
Sequence 6, Appl
Sequence 81, Appl

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
;; STREET: 610 Lincoln St
;; CITY: Waltham
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 02154
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/467,023
;; FILING DATE: June 6, 1995
;; CLASSIFICATION: 424
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/350,225
;; FILING DATE: December 6, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Jane E. Remillard
;; REGISTRATION NUMBER: 38,872
;; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 227-7400
;; TELEFAX: (617) 227-5941
;; INFORMATION FOR SEQ ID NO: 33:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
;; US-08-467-023-33

Query Match 75.5%; Score 77; DB 3; Length 20;
Best Local Similarity 75.0%; Pred. No. 1.5e-06;
Matches 15; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 IFSKNLNLIKLNPLYIAGNK 20
||| :||| :||| :
Db 1 IFSGNMNIKLKMPYIAGYK 20

RESULT 3
US-09-142-524D-29
; Sequence 29, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 29
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 15
US-09-142-524D-29

Query Match 58.8%; Score 60; DB 4; Length 15;

Best Local Similarity 73.3%; Pred. No. 0.00088;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
QY 1 IFSKNLNLIKLNPLY 15
||| :||| :||| :
Db 1 IFSGNMNIKLKMPY 15
RESULT 4
US-09-142-524D-30
; Sequence 30, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 16
US-09-142-524D-30

Query Match 57.8%; Score 59; DB 4; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0013;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 LNIKLNPLYIAGNK 20
:|||| :||| :||| :
Db 1 MNIKLKMPYIAGYK 15

RESULT 5
US-09-142-524D-28
; Sequence 28, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 28
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 14
US-09-142-524D-28

Query Match 38.2%; Score 39; DB 4; Length 15;
 Best Local Similarity 80.0%; Pred. No. 3.5;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IFSKNLNIKL 10
 |||||:||||
 Db 6 IFSGNMNIKL 15

RESULT 6
 US-08-467-023-32
 ; Sequence 32, Application US/08467023
 ; Patent No. 6090386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; TITLE OF INVENTION: Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/467,023
 ; FILING DATE: June 6, 1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER: 08/350,225
 ; FILING DATE: December 6, 1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane E. Remillard
 ; REGISTRATION NUMBER: 38,872
 ; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 227-7400
 ; TELEFAX: (617) 227-5941
 ; INFORMATION FOR SEQ ID NO: 32:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 20 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; FRAGMENT TYPE: internal
 ; US-08-467-023-32

Query Match 38.2%; Score 39; DB 3; Length 20;
 Best Local Similarity 80.0%; Pred. No. 4.9;
 Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IFSKNLNIKL 10
 |||||:||||
 Db 11 IFSGNMNIKL 20

RESULT 7
 US-09-142-524D-31
 ; Sequence 31, Application US/09142524D

; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akinori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 31
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; FEATURE:
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1)-(15)
 ; OTHER INFORMATION: Crrjl peptide, Figure 1, Row 17
 ; US-09-142-524D-31

Query Match 37.3%; Score 38; DB 4; Length 15;
 Best Local Similarity 77.8%; Pred. No. 5.2;
 Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 12 MPYIAGNK 20
 |||||:
 Db 2 MPWYIAGYK 10

RESULT 8
 US-08-467-023-34
 ; Sequence 34, Application US/08467023
 ; Patent No. 6090386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From
 ; TITLE OF INVENTION: Japanese Cedar Pollen
 ; NUMBER OF SEQUENCES: 261
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 ; STREET: 610 Lincoln St
 ; CITY: Waltham
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02154
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/467,023
 ; FILING DATE: June 6, 1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER: 08/350,225
 ; FILING DATE: December 6, 1994
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Jane E. Remillard
 ; REGISTRATION NUMBER: 38,872

```
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-34

Query Match 37.3%; Score 38; DB 3; Length 20;
Best Local Similarity 77.8%; Pred. No. 7.2;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 12 MPYIAGNK 20
||:|||||
Db 2 MPWYIAGYK 10

RESULT 9
US-09-402-401C-42
; Sequence 42, Application US/09402401C
; Patent No. 6569677
; GENERAL INFORMATION:
; APPLICANT: TRANSGENE S.A.
; TITLE OF INVENTION: Modified adenoviral fiber and target adenoviruses
; FILE REFERENCE: D16813
; CURRENT APPLICATION NUMBER: US/09/402,401C
; CURRENT FILING DATE: 1999-10-04
; PRIOR APPLICATION NUMBER: WO 98 44121
; PRIOR FILING DATE: 1998-04-02
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.2
; SEQ ID NO 42
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Ad3 fiber Mastadenovirus
US-09-402-401C-42

Query Match 36.3%; Score 37; DB 4; Length 19;
Best Local Similarity 50.0%; Pred. No. 10;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 4 KNLNLIKNNPLY 15
|||:|:|
Db 6 KKNKVSINVELY 17

RESULT 10
US-09-149-476-714
; Sequence 714, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,974
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,618
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,503
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,592
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,500
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,613
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,612
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,632
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,601
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,674
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,669
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,312
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,313
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,672
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,315
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/048,974
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; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,886
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,877
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,889
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,893
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,630
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,878
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,662
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,872
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,882
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,637
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,903
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,888
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,879
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,880
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,894
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; EARLIER APPLICATION NUMBER: 60/056,911
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,636
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,874
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,910
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,864
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,631
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,845
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,892
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,761
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/047,595
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,599
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,588
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,585
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,586
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,590
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,594
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,589
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,593
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,614
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,578
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,576
; EARLIER FILING DATE: 1997-04-11

; EARLIER APPLICATION NUMBER: 60/047,501
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,670
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/056,632
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,664
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,876
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match 34.3%; Score 35; DB 4; Length 13;
Best Local Similarity 60.0%; Pred. No. 14;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 NMPLYIAGNK 20
Db 1 NVFILGKN 10

RESULT 11

US-09-177-249-244
; Sequence 244, Application US/09177249
; Patent No. 6229064
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.
; APPLICANT: Ohad, Nir
; APPLICANT: Kiyosue, Tomohiro
; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids That Control Seed and Fruit
; TITLE OF INVENTION: Development in Plants
; FILE REFERENCE: 023070-086120US
; CURRENT APPLICATION NUMBER: US/09/177,249
; CURRENT FILING DATE: 1998-10-22
; EARLIER APPLICATION NUMBER: US 09/071,838
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 244
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-177-249-244

Query Match 30.4%; Score 31; DB 3; Length 18;

Best Local Similarity 35.7%; Pred. No. 1e+02; Mismatches 5; Conservative 5; Gaps 0; Indels 4; Mismatches 4; Gaps 0; Indels 0; Gaps 0;

QY 7 NIKLNMPLYIAGNK 20
|:|:|:|:|:|:|:
Db 1 NLKNHLPYIYLNR 14

RESULT 12
US-09-812-283-244
; Sequence 244, Application US/09812283
; Patent No. 6828477
; GENERAL INFORMATION:
; APPLICANT: Fischer, Robert L.
; APPLICANT: Ohad, Nir
; APPLICANT: Kiyosue, Tomohiro
; APPLICANT: Yadegari, Ramin
; APPLICANT: Margossian, Linda
; APPLICANT: Harada, John
; APPLICANT: Goldberg, Robert B.
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Nucleic Acids That Control Seed and Fruit
; FILE REFERENCE: 023070-086120US
; CURRENT APPLICATION NUMBER: US/09/812,283
; CURRENT FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 09/177,249
; PRIOR FILING DATE: 1998-10-22
; PRIOR APPLICATION NUMBER: US 09/071,838
; PRIOR FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 244
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Arabidopsis sp.
US-09-812-283-244

Query Match 30.4%; Score 31; DB 4; Length 18;
Best Local Similarity 35.7%; Pred. No. 1e+02; Mismatches 5; Conservative 5; Gaps 0; Indels 4; Mismatches 4; Gaps 0; Indels 0; Gaps 0;

QY 7 NIKLNMPLYIAGNK 20
|:|:|:|:|:|:|:
Db 1 NLKNHLPYIYLNR 14

RESULT 13
US-09-461-325-525
; Sequence 525, Application US/09461325A
; Patent No. 6475753
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029P1
; CURRENT APPLICATION NUMBER: US/09/461,325A
; CURRENT FILING DATE: 1999-12-14
; EARLIER APPLICATION NUMBER: PCT/US99/13418
; EARLIER FILING DATE: 1999-06-15
; EARLIER APPLICATION NUMBER: 60/089,507
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,508
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,509
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,510
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/090,112
; EARLIER FILING DATE: 1998-06-22
; EARLIER APPLICATION NUMBER: 60/090,113
; EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-461-325-525

Query Match 29.4%; Score 30; DB 4; Length 13;
Best Local Similarity 55.6%; Pred. No. 1e+02; Mismatches 5; Conservative 4; Mismatches 4; Gaps 0; Indels 0; Gaps 0;

QY 1 IFSKNLNK 9
|:|:|:|:|:|:
Db 3 IFAKHLSVK 11

RESULT 14
US-10-012-542-525
; Sequence 525, Application US/10012542
; Patent No. 6627741
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-525

Query Match 29.4%; Score 30; DB 4; Length 13;
Best Local Similarity 55.6%; Pred. No. 1e+02; Mismatches 5; Conservative 4; Mismatches 4; Gaps 0; Indels 0; Gaps 0;

QY 1 IFSKNLNK 9
|:|:|:|:|:|:
Db 3 IFAKHLSVK 11

RESULT 15
US-10-115-123-525
; Sequence 525, Application US/10115123
; Patent No. 6774216
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029G30AP1D2
; CURRENT APPLICATION NUMBER: US/10/115,123
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509

; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 525
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-115-123-525

Query Match 29.4%; Score 30; DB 4; Length 13;
Best Local Similarity 55.6%; Pred. No. 1e+02; Indels 0; Gaps 0;
Matches 5; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IFSKQLNIK 9
|:|:|:
Db 3 IFAKHLSVK 11

Search completed: June 20, 2005, 14:22:15
Job time : 17.15 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-17

Perfect score: 104

Sequence: 1 GVVPVHAQDAITMRNVD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA.*
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5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	73	70.2	20	3	US-08-467-023-40
2	62	59.6	15	4	US-09-142-524D-43
3	54	51.9	15	4	US-09-142-524D-44
4	43	41.3	15	4	US-09-142-524D-42
5	43	41.3	20	3	US-08-467-023-39
6	37	35.6	19	4	US-09-106-568E-91
7	32	30.8	16	4	US-08-489-260A-366
8	32	30.8	16	4	US-08-488-446-366
9	32	30.8	16	4	US-08-467-344A-366
10	32	30.8	16	4	US-08-424-550B-366
11	30	28.8	15	4	US-09-142-524D-45
12	30	28.8	20	3	US-08-467-023-41
13	30	28.8	20	4	US-09-643-597-248
14	30	28.8	20	4	US-09-480-884A-248
15	30	28.8	20	4	US-09-542-615A-248
16	30	28.8	20	4	US-09-606-421B-248
17	30	28.8	20	4	US-09-476-496A-248
18	30	28.8	20	4	US-09-630-940B-248
19	29	27.9	20	3	US-08-928-917C-13
20	29	27.9	20	3	US-08-247-527-18
21	29	27.9	20	4	US-09-374-678-13
22	29	27.9	20	4	US-09-308-368-12
23	29	27.9	20	4	US-09-308-368-21
24	28	26.9	15	4	US-09-073-009-91
25	28	26.9	15	4	US-09-073-010-91
26	28	26.9	17	2	US-08-955-138-115
27	28	26.9	18	3	US-09-252-586-27

28	28	26.9	19	4	US-09-512-563C-43	Sequence 43, Appl
29	28	26.9	20	4	US-08-845-381E-48	Sequence 48, Appl
30	28	26.9	20	4	US-09-612-402B-3	Sequence 3, Appl
31	27	26.0	13	1	US-07-781-254A-22	Sequence 22, Appl
32	27	26.0	16	2	US-08-480-473B-17	Sequence 17, Appl
33	27	26.0	16	3	US-08-915-213-17	Sequence 17, Appl
34	27	26.0	16	3	US-09-235-217-17	Sequence 17, Appl
35	27	26.0	16	5	PCT-US96-10251-17	Sequence 17, Appl
36	27	26.0	18	3	US-09-371-710-2	Sequence 2, Appl
37	27	26.0	18	3	US-09-648-386-2	Sequence 2, Appl
38	27	26.0	19	2	US-08-152-721B-5	Sequence 5, Appl
39	26.5	25.5	17	1	US-08-212-433A-36	Sequence 36, Appl
40	26.5	25.5	17	3	US-08-716-456-36	Sequence 36, Appl
41	26.5	25.5	17	5	PCT-US95-03239-36	Sequence 36, Appl
42	26	25.0	9	1	US-08-215-805A-28	Sequence 28, Appl
43	26	25.0	11	3	US-09-433-598-15	Sequence 15, Appl
44	26	25.0	11	4	US-09-848-838A-15	Sequence 15, Appl
45	26	25.0	12	2	US-08-487-675-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-40
; Sequence 40, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal


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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-39

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Query Match 41.3%; Score 43; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.94;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 1 GVPEVHPQDG 10
DB 11 GVPEVHPQDG 20

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RESULT 6
US-09-106-568E-91
; Sequence 91, Application US/09106568E
; Patent No. 6455248
; GENERAL INFORMATION:
; APPLICANT: Bhattacharjee, J.
; APPLICANT: Bhattacharjee, Vasker
; TITLE OF INVENTION: METHODS AND REAGENTS FOR DETECTING FUNGAL PATHOGENS IN
; FILE REFERENCE: 96,247-A
; CURRENT APPLICATION NUMBER: US/09/106,568E
; CURRENT FILING DATE: 1998-06-29
; PRIOR APPLICATION NUMBER: 08/650,809
; PRIOR FILING DATE: 1997-05-20
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 91
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Polypeptide segment of ACVS_CEPAC shown in Figure 4.
US-09-106-568E-91

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Query Match 35.6%; Score 37; DB 4; Length 19;
Best Local Similarity 66.7%; Pred. No. 9.4;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY 3 VPVHAQDGD 11
DB 9 VPTHKQDGE 17

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RESULT 7
US-08-469-260A-366

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```

; Sequence 366, Application US/08469260A
; Patent No. 6451578
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHROFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK
; APPLICANT: ISA K. MUSHAWAR
; TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
; REAGENTS AND METHODS FOR THEIR USE
; NUMBER OF SEQUENCES: 716
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
; STREET: 100 ABBOTT PARK ROAD
; CITY: ABBOTT PARK
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,260A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,550
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FOREMSKI, PRISCILLA E.
; REGISTRATION NUMBER: 33,207
; REFERENCE/DOCKET NUMBER: 5527.PC.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708-937-6365
; TELEFAX: 708-938-2623
; INFORMATION FOR SEQ ID NO: 366:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-469-260A-366

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Query Match 30.8%; Score 32; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 3 VPVHAQ 8
DB 4 VPVHAQ 9

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```

RESULT 8
US-08-488-446-366
; Sequence 366, Application US/08488446
; Patent No. 6558898
; GENERAL INFORMATION:
; APPLICANT: JOHN N. SIMONS
; APPLICANT: TAMI J. PILOT-MATIAS
; APPLICANT: GEORGE J. DAWSON
; APPLICANT: GEORGE G. SCHLAUDER
; APPLICANT: SURESH M. DESAI
; APPLICANT: THOMAS P. LEARY
; APPLICANT: ANTHONY SCOTT MUEHROFF
; APPLICANT: JAMES C. ERKER
; APPLICANT: SHERI L. BUIJK

```

APPLICANT: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSER: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,446
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-446-366

Query Match 30.8%; Score 32; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VPVHAQ 8
Db 4 VPVHAQ 9

RESULT 9
US-08-467-344A-366
Sequence 366, Application US/08467344A
Patent No. 6586568
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSER: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,344A
FILING DATE: 07-Jun-1995
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/424,550
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 366:
US-08-467-344A-366

Query Match 30.8%; Score 32; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VPVHAQ 8
Db 4 VPVHAQ 9

RESULT 10
US-08-424-550B-366
Sequence 366, Application US/08424550B
Patent No. 6720166
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSER: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550B
FILING DATE:
CLASSIFICATION: 435435
ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207

REFERENCE/DOCKET NUMBER: 5527.PC.01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 708-937-6365
 TELEFAX: 708-938-2623
 INFORMATION FOR SEQ ID NO: 366:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 16 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-424-550B-366

Query Match 30.8%; Score 32; DB 4; Length 16;
 Best Local Similarity 100.0%; Pred. No. 55;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VPVHAQ 8
 Db 4 VPVHAQ 9

RESULT 11

US-09-142-524D-45
 ; Sequence 45, Application US/09142524D
 ; Patent No. 6719976
 ; GENERAL INFORMATION:
 ; APPLICANT: Sone, Toshio
 ; APPLICANT: Kume, Akimori
 ; APPLICANT: Dairiki, Kazuo
 ; APPLICANT: Iwama, Akiko
 ; APPLICANT: Kino, Kohsuke
 ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
 ; FILE REFERENCE: SPO-103
 ; CURRENT APPLICATION NUMBER: US/09/142,524D
 ; CURRENT FILING DATE: 1998-09-09
 ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
 ; PRIOR FILING DATE: 1997-03-10
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 45
 ; LENGTH: 15
 ; TYPE: PRT
 ; ORGANISM: Cryptomeria japonica
 ; NAME/KEY: MISC FEATURE
 ; LOCATION: (1)..(15)
 ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31
 US-09-142-524D-45

Query Match 28.8%; Score 30; DB 4; Length 15;
 Best Local Similarity 50.0%; Pred. No. 1.1e+02;
 Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 11 DAITMRNVTD 20
 Db 1 DALTLRTATN 10

RESULT 12

US-08-467-023-41
 ; Sequence 41, Application US/08467023
 ; Patent No. 6090386
 ; GENERAL INFORMATION:
 ; APPLICANT: Griffith, Irwin J.;
 ; APPLICANT: Pollock, Joanne;
 ; APPLICANT: Bond, Julian F.;
 ; APPLICANT: Garman, Richard D;
 ; APPLICANT: Kuo, Mei-Chang;
 ; APPLICANT: Yeung, Siu-mei H.;
 ; APPLICANT: Brauer, Andrew;
 ; APPLICANT: Exley, Mark A.;
 ; APPLICANT: Powers, Steven P.
 ; TITLE OF INVENTION: Allergenic Proteins And Peptides From

TITLE OF INVENTION: Japanese Cedar Pollen
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 41:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 20 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-41

Query Match 28.8%; Score 30; DB 3; Length 20;
 Best Local Similarity 50.0%; Pred. No. 1.6e+02;
 Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 11 DAITMRNVTD 20
 Db 1 DALTLRTATN 10

RESULT 13

US-09-643-597-248
 ; Sequence 248, Application US/09643597
 ; Patent No. 6426072
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Fan, Liqun
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Bangur, Chaitanya S.
 ; APPLICANT: Hosken, Nancy
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: McNeill, Patricia D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; FILE REFERENCE: 210121.455C11
 ; CURRENT APPLICATION NUMBER: US/09/643,597
 ; CURRENT FILING DATE: 2000-08-21
 ; NUMBER OF SEQ ID NOS: 369
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 248
 ; LENGTH: 20
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

Qy 8 QDGDITMRNVTD 20
: | : | : | : |

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-18
Perfect score: 107
Sequence: 1 DAITMRNVTDWIDHNSLSD 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	62	57.9	15	14 US-10-354-240-45	Sequence 45, Appl
2	58	54.2	15	14 US-10-354-240-46	Sequence 46, Appl
3	47	43.9	15	14 US-10-354-240-47	Sequence 47, Appl
4	40	37.4	16	14 US-10-225-567A-1876	Sequence 1876, Ap
5	37	34.6	13	16 US-10-473-127-211	Sequence 211, App
6	36	33.6	19	9 US-09-864-761-41072	Sequence 41072, A
7	35	32.7	15	14 US-10-011-095-32	Sequence 32, Appl
8	35	32.7	15	14 US-10-010-667A-32	Sequence 32, Appl
9	35	32.7	15	14 US-10-165-044-33	Sequence 33, Appl
10	35	32.7	15	15 US-10-408-009-30	Sequence 30, Appl
11	35	32.7	15	16 US-10-857-785-30	Sequence 30, Appl

12	35	32.7	15	16	US-10-856-109-30	Sequence 30, Appl
13	35	32.7	15	17	US-10-753-195-33	Sequence 33, Appl
14	35	32.7	15	17	US-10-752-421-30	Sequence 30, Appl
15	35	32.7	15	17	US-10-750-262-32	Sequence 32, Appl
16	34	31.8	14	15	US-10-432-422-88	Sequence 88, Appl
17	34	31.8	20	14	US-10-225-567A-1795	Sequence 1795, Ap
18	33	30.8	16	14	US-10-225-567A-1745	Sequence 1745, Ap
19	32	29.9	16	10	US-09-995-529-92	Sequence 92, Appl
20	32	29.9	16	11	US-09-995-529-92	Sequence 92, Appl
21	32	29.9	18	10	US-09-397-945-235	Sequence 235, App
22	32	29.9	18	15	US-10-653-595-235	Sequence 235, App
23	32	29.9	19	10	US-09-977-797A-116	Sequence 116, App
24	31	29.0	14	15	US-10-312-311-6	Sequence 6, Appl
25	31	29.0	15	15	US-10-442-909-49	Sequence 49, Appl
26	31	29.0	18	14	US-10-084-813-46	Sequence 46, Appl
27	30	28.0	9	10	US-09-793-451-424	Sequence 424, App
28	30	28.0	9	10	US-09-793-451-440	Sequence 440, App
29	30	28.0	9	14	US-10-283-722-424	Sequence 424, App
30	30	28.0	9	14	US-10-283-722-440	Sequence 440, App
31	30	28.0	9	15	US-10-283-903-424	Sequence 424, App
32	30	28.0	9	15	US-10-283-903-440	Sequence 440, App
33	30	28.0	10	10	US-09-793-451-105	Sequence 105, App
34	30	28.0	10	10	US-09-793-451-405	Sequence 405, App
35	30	28.0	10	14	US-10-283-722-105	Sequence 105, App
36	30	28.0	10	14	US-10-283-722-405	Sequence 405, App
37	30	28.0	10	15	US-10-283-903-105	Sequence 105, App
38	30	28.0	10	15	US-10-283-903-405	Sequence 405, App
39	30	28.0	10	16	US-10-700-330-56	Sequence 56, Appl
40	30	28.0	13	14	US-10-285-649A-4	Sequence 4, Appl
41	30	28.0	15	14	US-10-354-240-44	Sequence 44, Appl
42	30	28.0	16	15	US-10-378-173-45	Sequence 45, Appl
43	30	28.0	16	15	US-10-378-173-46	Sequence 46, Appl
44	30	28.0	17	15	US-10-609-217-198	Sequence 198, App
45	30	28.0	17	15	US-10-632-388-198	Sequence 198, App

ALIGNMENTS

RESULT 1
US-10-354-240-45
; Sequence 45, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JF97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 45
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 31
US-10-354-240-45

Query Match 57.9%; Score 62; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.0072;
Matches 9; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

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QY      1 DAITMRNVTDVWIDH 15
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Db      1 DALTTLRTATNIWIDH 15

RESULT 2
US-10-354-240-46
; Sequence 46, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 32
US-10-354-240-46

Query Match      54.2%; Score 58; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 0.031;
Matches 9; Conservative 3; Mismatches 3; Indels 3; Gaps 0;

QY      6 RNVTDVWIDHNSLSD 20
      ||:|:|:|:|
Db      1 RTATNIWIDHNSFSN 15

RESULT 3
US-10-354-240-47
; Sequence 47, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 33
US-10-354-240-47
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Query Match      43.9%; Score 47; DB 14; Length 15;
Best Local Similarity 70.0%; Pred. No. 1.6;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      11 VWIDHNSLSD 20
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Db      1 IWIDHNSFSN 10

RESULT 4
US-10-225-567A-1876
; Sequence 1876, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1876
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-1876

Query Match      37.4%; Score 40; DB 14; Length 16;
Best Local Similarity 54.5%; Pred. No. 22;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      4 TMRNVTDVWID 14
      ||:|:|:|
Db      2 TIENATDIWQD 12

RESULT 5
US-10-473-127-211
; Sequence 211, Application US/10473127
; Publication No. US20040236091A1
; GENERAL INFORMATION:
; APPLICANT: Zycos Inc.
; TITLE OF INVENTION: TRANSLATIONAL PROFILING
; FILE REFERENCE: 08191-026W01
; CURRENT APPLICATION NUMBER: US/10/473,127
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 60/279,495
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: 60/292,544
; PRIOR FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: 60/310,801
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: 60/326,370
; PRIOR FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: 60/336,780
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/358,985
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 2041
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 211
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-473-127-211

Query Match      34.6%; Score 37; DB 16; Length 13;
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Best Local Similarity 60.0%; Pred. No. 52;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 11 VWIDHNSLSD 20
Db 1 VFLDHNLDPD 10

RESULT 6
US-09-864-761-41072
; Sequence 41072, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 41072
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL121585.13
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.7
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.5
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.5

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; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.1
; OTHER INFORMATION: EST_HUMAN HIT: A1719171.1, EVALUE 4.00e-04
US-09-864-761-41072

Query Match 33.6%; Score 36; DB 9; Length 19;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AITMRNVTDVWI 13
Db 5 SLTWRTQTKLWI 16

RESULT 7
US-10-011-095-32
; Sequence 32, Application US/10011095
; Publication No. US20030045682A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Hubert, Rene S.
; APPLICANT: Leong, Kahan
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Saffran, Douglas C.
; APPLICANT: Mitchell, Steve Chappell
; TITLE OF INVENTION: ANTIBODIES IMMUNOSPECIFIC FOR STEAP1 (AS AMENDED)
; FILE REFERENCE: 511582001610
; CURRENT APPLICATION NUMBER: US/10/011,095
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 09/323,873
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: 60/087,520
; PRIOR FILING DATE: 1998-06-01
; PRIOR APPLICATION NUMBER: 60/091,183
; PRIOR FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-011-095-32

Query Match 32.7%; Score 35; DB 14; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RNVDVWIDH 15
Db 6 QNKEDAWIEH 15

RESULT 8
US-10-010-667A-32
; Sequence 32, Application US/10010667A
; Publication No. US20030055217A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Hubert, Rene S.
; APPLICANT: Leong, Kahan
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Saffran, Douglas C.
; APPLICANT: Mitchell, Steve Chappell
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 511582001601
; CURRENT APPLICATION NUMBER: US/10/010,667A
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 09/323,873
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: 60/087,520
; PRIOR FILING DATE: 1998-06-01
; PRIOR APPLICATION NUMBER: 60/091,183
; PRIOR FILING DATE: 1998-06-30

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; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-010-667A-32

Query Match      32.7%; Score 35; DB 14; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 RNVTDVWIDH 15
      :|||:|||:
Db      6 QNKEDAWIEH 15

RESULT 9
US-10-165-044-33
; Sequence 33, Application US/10165044
; Publication No. US20030149531A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Rene S. Hubert
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas Saffran
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Steven Chappell Mitchell
; APPLICANT: Mary Faris
; APPLICANT: Aya Jakobovits
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 51158-20016.02
; CURRENT APPLICATION NUMBER: US/10/165,044
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: US 60/087,520
; PRIOR FILING DATE: 1998-06-01
; PRIOR APPLICATION NUMBER: US 60/091,183
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 09/323,873
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: US 09/455,486
; PRIOR FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: WO 99/62941
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/33040
; PRIOR FILING DATE: 2000-12-06
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-165-044-33

Query Match      32.7%; Score 35; DB 14; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 RNVTDVWIDH 15
      :|||:|||:
Db      6 QNKEDAWIEH 15

RESULT 10
US-10-408-009-30
; Sequence 30, Application US/10408009
; Publication No. US20040072196A1
; GENERAL INFORMATION:
; APPLICANT: Daniel E. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran

; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-009-30

Query Match      32.7%; Score 35; DB 15; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 RNVTDVWIDH 15
      :|||:|||:
Db      6 QNKEDAWIEH 15

RESULT 11
US-10-857-785-30
; Sequence 30, Application US/10857785
; Publication No. US20040219162A1
; GENERAL INFORMATION:
; APPLICANT: Daniel E. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran
; APPLICANT: Stephen C. Mitchell
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 511582001607
; CURRENT APPLICATION NUMBER: US/10/857,785
; CURRENT FILING DATE: 2004-05-28
; PRIOR APPLICATION NUMBER: US 09/455,486
; PRIOR FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: US 09/323,873
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: US 60/087,520
; PRIOR FILING DATE: 1998-06-01
; PRIOR APPLICATION NUMBER: US 60/091,183
; PRIOR FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-857-785-30

Query Match      32.7%; Score 35; DB 16; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 RNVTDVWIDH 15
      :|||:|||:
Db      6 QNKEDAWIEH 15

RESULT 12
US-10-856-109-30
; Sequence 30, Application US/10856109
; Publication No. US20040219591A1
; GENERAL INFORMATION:
; APPLICANT: Daniel E. Afar
```

APPLICANT: Rene S. Hubert
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saffran
APPLICANT: Stephen C. Mitchell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
FILE REFERENCE: 511582001606
CURRENT APPLICATION NUMBER: US/10/856,109
CURRENT FILING DATE: 2004-05-28
PRIOR FILING DATE: 1999-12-06
PRIOR FILING DATE: 1999-06-01
PRIOR FILING DATE: 1998-06-01
PRIOR FILING DATE: 1998-06-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 30
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens
US-10-856-109-30

Query Match 32.7%; Score 35; DB 16; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RNVTDWIDH 15
Db 6 QNKEDAWIEH 15

RESULT 13

US-10-753-195-33
Sequence 33, Application US/10753195
Publication No. US2005004349A1
GENERAL INFORMATION:
APPLICANT: Agensys, Inc.
APPLICANT: Rene S. Hubert
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas Saffran
APPLICANT: Daniel E.H. Afar
APPLICANT: Steven Chappell Mitchell
APPLICANT: Mary Faris
APPLICANT: Aya Jakobovits
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
FILE REFERENCE: 51158-20016.02
CURRENT APPLICATION NUMBER: US/10/753,195
CURRENT FILING DATE: 2004-01-06
PRIOR APPLICATION NUMBER: US/10/165,044
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/087,520
PRIOR FILING DATE: 1998-06-01
PRIOR APPLICATION NUMBER: US 60/091,183
PRIOR FILING DATE: 1998-06-30
PRIOR APPLICATION NUMBER: US 09/323,873
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 09/455,486
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: WO 99/62941
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: PCT/US00/33040
PRIOR FILING DATE: 2000-12-06
NUMBER OF SEQ ID NOS: 57
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 33
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens
US-10-753-195-33

Query Match 32.7%; Score 35; DB 17; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RNVTDWIDH 15
Db 6 QNKEDAWIEH 15

RESULT 14

US-10-752-421-30
Sequence 30, Application US/10752421
Publication No. US20050063975A1
GENERAL INFORMATION:
APPLICANT: Daniel E. Afar
APPLICANT: Rene S. Hubert
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saffran
APPLICANT: Stephen C. Mitchell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
FILE REFERENCE: 511582001612
CURRENT APPLICATION NUMBER: US/10/752,421
CURRENT FILING DATE: 2004-01-05
PRIOR APPLICATION NUMBER: US 09/455,486
PRIOR FILING DATE: 1999-12-06
PRIOR APPLICATION NUMBER: US 09/323,873
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 60/087,520
PRIOR FILING DATE: 1998-06-01
PRIOR APPLICATION NUMBER: US 60/091,183
PRIOR FILING DATE: 1998-06-30
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 30
LENGTH: 15
TYPE: PRT
ORGANISM: Homo sapiens
US-10-752-421-30

Query Match 32.7%; Score 35; DB 17; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RNVTDWIDH 15
Db 6 QNKEDAWIEH 15

RESULT 15

US-10-750-262-32
Sequence 32, Application US/10750262
Publication No. US2005006445A1
GENERAL INFORMATION:
APPLICANT: Daniel E. Afar
APPLICANT: Rene S. Hubert
APPLICANT: Kahan Leong
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saffran
APPLICANT: Steve Chappell Mitchell
TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
FILE REFERENCE: 129.16USU2
CURRENT APPLICATION NUMBER: US/10/750,262
CURRENT FILING DATE: 2003-12-31
PRIOR APPLICATION NUMBER: US/09/323,873
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: 60/087,520
PRIOR FILING DATE: 1998-06-01
PRIOR APPLICATION NUMBER: 60/091,183
PRIOR FILING DATE: 1998-06-30
NUMBER OF SEQ ID NOS: 32

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-750-262-32

Query Match      32.7%; Score 35; DB 17; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      6 RNVTDVWIDH 15
      :| | | | |
Db      6 QNKEDAWIEH 15

Search completed: June 20, 2005, 15:55:14
Job time : 54.45 secs
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; LOCATION: (1)..-(15)

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Qy	6	RNVTDVWIDHNSLSD	20
		: :	
Dp	2	RTATNIWIDHNSFSN	16

RESULT 5

US-08-467-023-210
; Sequence 210, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 210:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-210

Query Match 51.4%; Score 55; DB 3; Length 18;
Best Local Similarity 60.0%; Pred. No. 0.028;
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 RNVTDVWIDHNSLSD 20
| | | | | | | | | |
Db 4 RTATNIWIDHNSDED 18

RESULT 6

US-08-467-023-212
; Sequence 212, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 212:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-212

Query Match 49.5%; Score 53; DB 3; Length 16;
Best Local Similarity 66.7%; Pred. No. 0.049;
Matches 8; -Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 RNVTDVWIDHNS 17
| | | | | | | | | |
Db 2 RTATNIWIDHNS 13

RESULT 7

US-08-467-023-211
; Sequence 211, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 211:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-211

Query Match 49.5%; Score 53; DB 3; Length 18;
Best Local Similarity 66.7%; Pred. No. 0.057;
Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 6 RNVTDVWDHNS 17
| :|:|||||
DB 4 RTATNIWDHNS 15

RESULT 8
US-09-142-524D-47
Sequence 47, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Daiiki, Kazuo
APPLICANT: Iwama, Akiho
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patent In version 3.1
SEQ ID NO 47
LENGTH: 15
TYPE: PPT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 33
US-09-142-524D-47

Query Match 43.9%; Score 47; DB 4; Length 15;
Best Local Similarity 70.0%; Pred. No. 0.4;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 11 VWIDHNSLSD 20
:|||||:
DB 1 IWIDHNSFSN 10

RESULT 9
US-08-467-023-42
Sequence 42, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-42

Query Match 43.9%; Score 47; DB 3; Length 20;
Best Local Similarity 70.0%; Pred. No. 0.56;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 11 VWIDHNSLSD 20
:|||||:
DB 1 IWIDHNSFSN 10

RESULT 10
US-09-323-873A-32
Sequence 32, Application US/09323873A
Patent No. 6329503
GENERAL INFORMATION:
APPLICANT: Daniel E. Afar
APPLICANT: Rene S. Hubert
APPLICANT: Kahan Leong
APPLICANT: Arthur B. Raitano
APPLICANT: Douglas C. Saffran
APPLICANT: Steve Chappell Mitchell

; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 129.16US2
; CURRENT APPLICATION NUMBER: US/09/323,873A
; CURRENT FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: 60/087,520
; PRIOR FILING DATE: 1998-06-01
; PRIOR APPLICATION NUMBER: 60/091,183
; PRIOR FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-323-873A-32

Query Match 32.7%; Score 35; DB 3; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RNVTDMVIDH 15
:|:|:|:
Db 6 QNKEDAMIEH 15

RESULT 11
US-09-455-486-30
; Sequence 30, Application US/09455486
; Patent No. 683438
; GENERAL INFORMATION:
; APPLICANT: Daniel E. Afar
; APPLICANT: Rene S. Hubert
; APPLICANT: Arthur B. Raitano
; APPLICANT: Douglas C. Saffran
; APPLICANT: Stephen C. Mitchell
; TITLE OF INVENTION: NOVEL SERPENTINE TRANSMEMBRANE ANTIGENS
; FILE REFERENCE: 129.17-US-11
; CURRENT APPLICATION NUMBER: US/09/455,486
; CURRENT FILING DATE: 1999-12-06
; PRIOR APPLICATION NUMBER: 09/323,873
; PRIOR FILING DATE: 1999-06-01
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-455-486-30

Query Match 32.7%; Score 35; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 31;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 6 RNVTDMVIDH 15
:|:|:|:
Db 6 QNKEDAMIEH 15

RESULT 12
US-08-981-122-77
; Sequence 77, Application US/08981122B
; Patent No. 6127339
; GENERAL INFORMATION:
; APPLICANT: Hatanaka, Yoshihiro
; APPLICANT: Arimoto, Masaharu
; TITLE OF INVENTION: Peptide for binding thereto a low density lipoprotein
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/08/981,122B
; CURRENT FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: JP 7-176904
; PRIOR FILING DATE: 1995-06-21

; PRIOR APPLICATION NUMBER: PCT/JP96/01734
; PRIOR FILING DATE: 1996-06-21
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 77
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequence of a peptide synthesized in Comparative Example 2 from
; Patent No. 6127339
; OTHER INFORMATION: L-form F-moc amino acids by solid phase method using a
; OTHER INFORMATION: multipetide synthesizing system (RaMPS)
US-08-981-122-77

Query Match 31.8%; Score 34; DB 3; Length 5;
Best Local Similarity 80.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WIDHN 16
:|:|:|:
Db 1 WVDHN 5

RESULT 13
US-09-142-524D-44
; Sequence 44, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 30
US-09-142-524D-44

Query Match 28.0%; Score 30; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 1 DAITMRNVTD 10
:|:|:|:
Db 6 DAITLRATN 15

RESULT 14
US-08-370-567-5
; Sequence 5, Application US/08370567
; Patent No. 5656726
; GENERAL INFORMATION:
; APPLICANT: Rosenberg, Steven
; APPLICANT: Doyle, Michael
; APPLICANT: Goodson, Robert
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
; TITLE OF INVENTION: Activity
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,567
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/061,514
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 31,259
REFERENCE/DOCKET NUMBER: 0941.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-370-567-5

Query Match 28.0%; Score 30; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 10 DVWIDHNSLS 19
|:|:|
Db 4 DLWRRHYPLS 13

RESULT 15
US-08-438-759-5
; Sequence 5, Application US/08438759
; Patent No. 5679782
; GENERAL INFORMATION:
; APPLICANT: Rosenberg, Steven
; APPLICANT: Doyle, Michael
; APPLICANT: Goodson, Robert
; TITLE OF INVENTION: Peptide Inhibitors of Urokinase Receptor
; TITLE OF INVENTION: Activity
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,759
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/370,567
; FILING DATE:

APPLICATION NUMBER: US/08/061,514
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Green, Grant D.
REGISTRATION NUMBER: 31,259
REFERENCE/DOCKET NUMBER: 0941.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2706
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
US-08-438-759-5

Query Match 28.0%; Score 30; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 2.2e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 10 DVWIDHNSLS 19
|:|:|
Db 4 DLWRRHYPLS 13

Search completed: June 20, 2005, 14:22:19
Job time : 17.15 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-21

Perfect score: 108

Sequence: 1 ASTGVTTSSNNHFFNHHKVML 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 171042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	68.5	15	14	US-10-354-240-52
2	68	63.0	15	14	US-10-354-240-51
3	52	48.1	15	14	US-10-354-240-53
4	45	41.7	15	14	US-10-354-240-50
5	39	36.1	20	14	US-10-005-530-24
6	36	33.3	19	10	US-09-791-524-2
7	36	33.3	19	16	US-10-821-544-17
8	35	32.4	18	14	US-10-349-543-4
9	35	32.4	19	10	US-09-791-524-1
10	34	31.5	9	15	US-10-107-532-1259
11	34	31.5	9	15	US-10-107-532-1786

12	34	31.5	9	15	US-10-107-532-2854	Sequence 2854, Ap
13	34	31.5	9	15	US-10-107-532-4582	Sequence 4582, Ap
14	34	31.5	9	15	US-10-107-532-4644	Sequence 4644, Ap
15	34	31.5	10	15	US-10-107-532-1504	Sequence 1504, Ap
16	34	31.5	10	15	US-10-107-532-2021	Sequence 2021, Ap
17	34	31.5	10	15	US-10-107-532-2613	Sequence 2613, Ap
18	34	31.5	10	15	US-10-107-532-3084	Sequence 3084, Ap
19	34	31.5	10	15	US-10-107-532-3654	Sequence 3654, Ap
20	34	31.5	10	15	US-10-107-532-5281	Sequence 5281, Ap
21	34	31.5	10	15	US-10-107-532-5294	Sequence 5294, Ap
22	34	31.5	10	15	US-10-107-532-5490	Sequence 5490, Ap
23	34	31.5	15	15	US-10-107-532-5936	Sequence 5936, Ap
24	34	31.5	15	15	US-10-107-532-5949	Sequence 5949, Ap
25	34	31.5	15	15	US-10-107-532-6008	Sequence 6008, Ap
26	34	31.5	15	15	US-10-107-532-6009	Sequence 6009, Ap
27	34	31.5	15	15	US-10-107-532-6032	Sequence 6032, Ap
28	34	31.5	15	15	US-10-107-532-6059	Sequence 6059, Ap
29	34	31.5	15	15	US-10-107-532-6095	Sequence 6095, Ap
30	34	31.5	15	15	US-10-107-532-6102	Sequence 6102, Ap
31	34	31.5	15	15	US-10-107-532-6113	Sequence 6113, Ap
32	34	31.5	15	15	US-10-107-532-6114	Sequence 6114, Ap
33	34	31.5	20	16	US-10-476-104-16	Sequence 16, Appl
34	32	29.6	9	15	US-10-107-532-729	Sequence 729, App
35	32	29.6	10	14	US-10-031-874A-88	Sequence 88, Appl
36	32	29.6	10	15	US-10-107-532-394	Sequence 394, Appl
37	32	29.6	10	15	US-10-107-532-1481	Sequence 1481, Ap
38	32	29.6	10	15	US-10-107-532-2074	Sequence 2074, Ap
39	32	29.6	10	15	US-10-107-532-5339	Sequence 5339, Ap
40	32	29.6	10	15	US-10-107-532-5401	Sequence 5401, Ap
41	32	29.6	15	9	US-09-729-835-116	Sequence 116, App
42	32	29.6	15	15	US-10-107-532-6013	Sequence 6013, Ap
43	32	29.6	15	15	US-10-373-809-116	Sequence 116, App
44	31	28.7	14	15	US-10-417-895A-33	Sequence 33, Appl
45	31	28.7	15	14	US-10-120-604-210	Sequence 210, App

ALIGNMENTS

RESULT 1

US-10-354-240-52
; Sequence 52, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-10301
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
US-10-354-240-52

Query Match 68.5%; Score 74; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 0.00014;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 6 TISNNHFFNHHKVML 20
Db 1 TISNNLFFNHHKVML 15

RESULT 2
US-10-354-240-51
; Sequence 51, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37
US-10-354-240-51

Query Match 63.0%; Score 68; DB 14; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.0011;
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ASTGVTISNNHFFNH 15
Db 1 SSTGVTISNNLFFNH 15

RESULT 3
US-10-354-240-53
; Sequence 53, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39
US-10-354-240-53

Query Match 48.1%; Score 52; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.34; 0; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 12 FFNHHKVML 20
Db 2 FFNHHKVML 10

RESULT 4
US-10-354-240-50
; Sequence 50, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 36
US-10-354-240-50

Query Match 41.7%; Score 45; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 4;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ASTGVTISNN 10
Db 6 SSTGVTISNN 15

RESULT 5
US-10-005-530-24
; Sequence 24, Application US/10005530
; Publication No. US20030026795A1
; GENERAL INFORMATION:
; APPLICANT: Isaac, Barbara G.
; APPLICANT: Greenplate, John T.
; APPLICANT: Purcell, John P.
; APPLICANT: Romano, Charles P.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING INSECTS
; FILE REFERENCE: 11899.0022.DVUS01 (MOBT:022--2)
; CURRENT APPLICATION NUMBER: US/10/005,530
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: 09/063,733
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/044,504
; PRIOR FILING DATE: 1997-04-21
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
US-10-005-530-24

OTHER INFORMATION: Synthetic Peptide
US-10-005-530-24

Query Match 36.1%; Score 39; DB 14; Length 20;
Best Local Similarity 54.5%; Pred. No. 46;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 5 VTISNNHFFNH 15
| : |||
Db 2 VVLEQNFFNH 12

RESULT 6
US-09-791-524-2
; Sequence 2, Application US/09791524
; Publication No. US20030143209A1
; GENERAL INFORMATION:
; APPLICANT: Aventis Pharmaceuticals Products Inc.
; TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes
; FILE REFERENCE: A3319A
; CURRENT APPLICATION NUMBER: US/09/791,524
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: 60/09828
; PRIOR FILING DATE: 1998-08-27
; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Adenovirus
US-09-791-524-2

Query Match 33.3%; Score 36; DB 10; Length 19;
Best Local Similarity 46.2%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 GVTISNNHFFNH 16
| : |||
Db 4 GTAVSNKYFSNIH 16

RESULT 7
US-10-821-544-17
; Sequence 17, Application US/10821544
; Publication No. US20040265797A1
; GENERAL INFORMATION:
; APPLICANT: ROSENBERG, STEVE
; APPLICANT: DOYLE, MICHAEL
; APPLICANT: CHAPMAN, HAROLD
; TITLE OF INVENTION: PEPTIDE LIGANDS OF THE UROKINASE RECEPTOR
; FILE REFERENCE: 014024-0284102
; CURRENT APPLICATION NUMBER: US/10/821,544
; CURRENT FILING DATE: 2004-04-09
; PRIOR APPLICATION NUMBER: US/09/155,260C
; PRIOR FILING DATE: 1998-09-23
; PRIOR APPLICATION NUMBER: PCT/US97/05199
; PRIOR FILING DATE: 1997-03-28
; PRIOR APPLICATION NUMBER: 08/623,361
; PRIOR FILING DATE: 1996-03-28
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-821-544-17

Query Match 33.3%; Score 36; DB 16; Length 19;
Best Local Similarity 46.2%; Pred. No. 1.3e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 GVTISNNHFFNH 16
| : |||
Db 5 GTAVSNKYFSNLH 17

RESULT 8
US-10-349-543-4
; Sequence 4, Application US/10349543
; Publication No. US20030166514A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Terence R.
; Haney, David N.
; Varga, Janos
; TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO
; UROKINASE-TYPE PLASMINOGEN ACTIVATOR RECEPTOR
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RADER, FISHMAN & GRAUER
; STREET: 1233 20TH STREET NW, SUITE 501
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/349,543
; FILING DATE: 22-Jan-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/285,783
; FILING DATE: 05-Apr-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: LIVNAT, SHMUEL
; REGISTRATION/DOCKET NUMBER: 33,949
; REFERENCE/DOCKET NUMBER: ANG-001/DIV (80144-0007)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 955-8787
; TELEFAX: (202) 955-3751
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-349-543-4

Query Match 32.4%; Score 35; DB 14; Length 18;
Best Local Similarity 46.2%; Pred. No. 1.7e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 4 GVTISNNHFFNH 16
| : |||
Db 1 GTCVSNKYFSNIH 13

RESULT 9
US-09-791-524-1
; Sequence 1, Application US/09791524
; Publication No. US20030143209A1
; GENERAL INFORMATION:
; APPLICANT: Aventis Pharmaceuticals Products Inc.
; TITLE OF INVENTION: Targeted Adenovirus Vectors For Delivery Of Heterologous Genes
; FILE REFERENCE: A3319A
; CURRENT APPLICATION NUMBER: US/09/791,524
; CURRENT FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: 60/09828
; PRIOR FILING DATE: 1998-08-27

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; NUMBER OF SEQ ID NOS: 150
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Adenovirus
US-09-791-524-1

Query Match      32.4%; Score 35; DB 10; Length 19;
Best Local Similarity 46.2%; Pred. No. 1.8e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY      4 GVTISNHHFNNH 16
        |:::|::|
Db       4 GTCVSNKYFSNIH 16

RESULT 10
US-10-107-532-1259
; Sequence 1259, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1259
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-1259

Query Match      31.5%; Score 34; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1.6e+06;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      10 NHFFNHHK 17
        |:::|
Db       2 NRFYSHHR 9

RESULT 11
US-10-107-532-1786
; Sequence 1786, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1259
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-1259

Query Match      31.5%; Score 34; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1.6e+06;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      10 NHFFNHHK 17
        |:::|
Db       2 NRFYSHHR 9

RESULT 12
US-10-107-532-2854
; Sequence 2854, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Faris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Eid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: 51158-200064.00
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2854
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-2854

Query Match      31.5%; Score 34; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1.6e+06;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      10 NHFFNHHK 17
        |:::|
Db       2 NRFYSHHR 9

RESULT 13
US-10-107-532-4582
; Sequence 4582, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
```

APPLICANT: Jakobovits, Aya
APPLICANT: Faris, Mary
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Robert Kendall
APPLICANT: Hubert, Rene S.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Ge, Wangmao
APPLICANT: Raitano, Arthur
APPLICANT: Challita-Eid, Pia M.
TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
FILE REFERENCE: 51158-200064.00
CURRENT APPLICATION NUMBER: US/10/107,532
CURRENT FILING DATE: 2002-08-05
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/283,112
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/286,630
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 6321
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4582
LENGTH: 9
TYPE: PRT
ORGANISM: Homo sapien
US-10-107-532-4582

Query Match 31.5%; Score 34; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1.6e+06;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 10 NHFFNHHK 17
| |::||:
Db 1 NRFYSHHR 8

RESULT 14
US-10-107-532-4644
Sequence 4644, Application US/10107532
Publication No. US20040003418A1
GENERAL INFORMATION:
APPLICANT: Agensys, Inc.
APPLICANT: Jakobovits, Aya
APPLICANT: Faris, Mary
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Robert Kendall
APPLICANT: Hubert, Rene S.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Ge, Wangmao
APPLICANT: Raitano, Arthur
APPLICANT: Challita-Eid, Pia M.
TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
FILE REFERENCE: 51158-200064.00
CURRENT APPLICATION NUMBER: US/10/107,532
CURRENT FILING DATE: 2002-08-05
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/283,112
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/286,630
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 6321
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4644
LENGTH: 9
TYPE: PRT
ORGANISM: Homo sapien
US-10-107-532-4644

Query Match 31.5%; Score 34; DB 15; Length 9;
Best Local Similarity 50.0%; Pred. No. 1.6e+06;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 10 NHFFNHHK 17
| |::||:

Db 1 NRFYSHHR 8
RESULT 15
US-10-107-532-1504
Sequence 1504, Application US/10107532
Publication No. US20040003418A1
GENERAL INFORMATION:
APPLICANT: Agensys, Inc.
APPLICANT: Jakobovits, Aya
APPLICANT: Faris, Mary
APPLICANT: Morrison, Karen Jane Meyrick
APPLICANT: Morrison, Robert Kendall
APPLICANT: Hubert, Rene S.
APPLICANT: Afar, Daniel E.H.
APPLICANT: Ge, Wangmao
APPLICANT: Raitano, Arthur
APPLICANT: Challita-Eid, Pia M.
TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
FILE REFERENCE: 51158-200064.00
CURRENT APPLICATION NUMBER: US/10/107,532
CURRENT FILING DATE: 2002-08-05
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/283,112
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/286,630
PRIOR FILING DATE: 2001-04-25
NUMBER OF SEQ ID NOS: 6321
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1504
LENGTH: 10
TYPE: PRT
ORGANISM: Homo sapien
US-10-107-532-1504

Query Match 31.5%; Score 34; DB 15; Length 10;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 10 NHFFNHHK 17
| |::||:
Db 3 NRFYSHHR 10

Search completed: June 20, 2005, 15:55:14
Job time : 53.45 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-21

Perfect score: 108

Sequence: 1 ASTGVITISNNHHKVMKL 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*

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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	93	86.1	20	3	US-08-467-023-44
2	74	68.5	15	4	US-09-142-524D-52
3	68	63.0	15	4	US-09-142-524D-51
4	52	48.1	15	4	US-09-142-524D-53
5	52	48.1	20	3	US-08-467-023-45
6	45	41.7	15	4	US-09-142-524D-50
7	44	40.7	20	3	US-08-467-023-43
8	39	36.1	20	3	US-09-063-733A-24
9	36	33.3	19	4	US-09-155-260C-17
10	35	32.4	18	2	US-08-747-915-4
11	35	32.4	18	3	US-08-142-590B-4
12	35	32.4	18	3	US-08-142-590B-24
13	35	32.4	18	4	US-09-285-783-4
14	35	32.4	20	1	US-08-142-590B-23
15	33	30.6	10	1	US-08-166-195A-26
16	33	30.6	10	2	US-08-436-772-26
17	33	30.6	10	2	US-08-436-883B-26
18	32	29.6	15	4	US-09-257-179-116
19	32	29.6	17	1	US-08-323-445A-18
20	32	29.6	17	1	US-08-515-903A-18
21	32	29.6	17	5	PCT-US95-12840-18
22	30	27.8	10	2	US-08-747-915-8
23	30	27.8	10	4	US-09-285-783-8
24	30	27.8	10	4	US-08-981-490B-5
25	30	27.8	11	1	US-07-826-928A-6
26	30	27.8	11	2	US-08-747-915-3
27	30	27.8	11	3	US-09-181-816-2

Sequence 3, Appli
Sequence 6, Appli
Sequence 1, Appli
Sequence 60, Appli
Sequence 5, Appli
Sequence 20, Appli
Sequence 19, Appli
Sequence 10, Appli
Sequence 15, Appli
Sequence 40, Appli
Sequence 30, Appli
Sequence 103, App
Sequence 76, Appli
Sequence 9, Appli
Sequence 16, Appli
Sequence 16, Appli
Sequence 13, Appli

ALIGNMENTS

RESULT 1
US-08-467-023-44
; Sequence 44, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-44

Query Match 86.1%; Score 93; DB 3; Length 20;
Best Local Similarity 94.7%; Pred. No. 3.1e-08;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 STGVTISNNHFNHKKVML 20
||||| ||||| ||||| |||||
Db 2 STGVTISNNLFFNHHKVML 20

RESULT 2

US-09-142-524D-52
; Sequence 52, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 52

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38

US-09-142-524D-52

Query Match 68.5%; Score 74; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 2.2e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 TISNNHFNHKKVML 20
||||| ||||| ||||| |||||
Db 1 TISNNLFFNHHKKVML 15

RESULT 3

US-09-142-524D-51

; Sequence 51, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 51

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 37
US-09-142-524D-51

Query Match 63.0%; Score 68; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.0002;
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 ASTGVTISNNHFFNHH 15
:||||| ||||| |||||
Db 1 SSTGVTISNNLFFNHH 15

RESULT 4

US-09-142-524D-53

; Sequence 53, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 53

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39

US-09-142-524D-53

Query Match 48.1%; Score 52; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.067;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 FFNHHKVML 20
||||| ||||| |||||
Db 2 FFNHHKVML 10

RESULT 5

US-08-467-023-45

; Sequence 45, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.;

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-45

Query Match 48.1%; Score 52; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.092;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 FFNHHKVMWL 20
DB 2 FFNHHKVMWL 10

RESULT 6
US-09-142-524D-50
; Sequence 50, Application US/09142524D
; Patent No. 6719576
; GENERAL INFORMATION:
; APPLICANT: Some, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 36
US-09-142-524D-50

Query Match 41.7%; Score 45; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.85;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGVTISNN 10
DB 6 SSTGVTISNN 15
```

```

RESULT 7
US-08-467-023-43
; Sequence 43, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian P.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-43

Query Match 40.7%; Score 44; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 STGVTISNN 10
DB 12 STGVTISNN 20

RESULT 8
US-09-063-733A-24
; Sequence 24, Application US/09063733A
; Patent No. 6372211
; GENERAL INFORMATION:
; APPLICANT: Isaac, Barbara G.
; APPLICANT: Greenplate, John T.
; APPLICANT: Purcell, John P.
; APPLICANT: Romano, Charles P.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR CONTROLLING
; TITLE OF INVENTION: INSECTS
```

;; NUMBER OF SEQUENCES: 58
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Arnold White & Durkee
;; STREET: PO Box 4433
;; CITY: Houston
;; STATE: TX
;; COUNTRY: USA
;; ZIP: 77210-4433
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/063,733A
;; FILING DATE: 21-APR-1998
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Patterson, Melinda L.
;; REGISTRATION NUMBER: 33,062
;; REFERENCE/DOCKET NUMBER: MOST:022
;; TELEPHONE: 713-787-1400
;; TELEFAX: 713-787-1440
;; INFORMATION FOR SEQ ID NO: 24:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: not relevant
;; TOPOLOGY: linear
US-09-063-733A-24

Query Match 36.1%; Score 39; DB 3; Length 20;
Best Local Similarity 54.5%; Pred. No. 10;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 5 VTISNNHFFNH 15
DB 2 VVLEQNFFNH 12

RESULT 9
US-09-155-260C-17
;; Sequence 17, Application US/09155260C
;; Patent No. 6794358
;; GENERAL INFORMATION:
;; APPLICANT: ROSENBERG, STEVE
;; APPLICANT: DOYLE, MICHAEL
;; APPLICANT: CHAPMAN, HAROLD
;; TITLE OF INVENTION: PEPTIDE LIGANDS OF THE UROKINASE RECEPTOR
;; FILE REFERENCE: 014024-0284102
;; CURRENT APPLICATION NUMBER: US/09/155,260C
;; PRIOR FILING DATE: 1998-09-23
;; PRIOR APPLICATION NUMBER: PCT/US97/05199
;; PRIOR FILING DATE: 1997-03-28
;; PRIOR APPLICATION NUMBER: 08/623,361
;; PRIOR FILING DATE: 1996-03-28
;; NUMBER OF SEQ ID NOS: 76
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 17
;; LENGTH: 19
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-155-260C-17

Query Match 33.3%; Score 36; DB 4; Length 19;
Best Local Similarity 46.2%; Pred. No. 29;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 4 GVTISNNHFFNH 16

Db 5 GTAVSNKYFSNLH 17
RESULT 10
US-08-747-915-4
;; Sequence 4, Application US/08747915
;; Patent No. 5942492
;; GENERAL INFORMATION:
;; APPLICANT: Jones, Terence R.
;; APPLICANT: Haney, David N.
;; APPLICANT: Varga, Janos
;; TITLE OF INVENTION: CYCLIC PEPTIDES THAT BIND TO
;; TITLE OF INVENTION: UROKINASE-TYPE PLASMINOGEN ACTIVATOR RECEPTOR
;; NUMBER OF SEQUENCES: 9
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: MORRISON & FOERSTER
;; STREET: 2000 PENNSYLVANIA AVENUE, NW
;; CITY: WASHINGTON
;; STATE: DC
;; COUNTRY: USA
;; ZIP: 20006-1812
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/747,915
;; FILING DATE: 12-NOV-1996
;; CLASSIFICATION: 514
;; ATTORNEY/AGENT INFORMATION:
;; NAME: MURASHIGE, KATE H.
;; REGISTRATION NUMBER: 29,959
;; REFERENCE/DOCKET NUMBER: 32904-20001.00
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202) 887-1500
;; TELEFAX: (202) 887-0763
;; TELEX: 90-4030 MRSNFOERSWSH
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 18 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-747-915-4

Query Match 32.4%; Score 35; DB 2; Length 18;
Best Local Similarity 46.2%; Pred. No. 39;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 4 GVTISNNHFFNH 16
DB 1 GTCVSNKYFSNIH 13

RESULT 11
US-08-142-590B-4
;; Sequence 4, Application US/08142590B
;; Patent No. 6120765
;; GENERAL INFORMATION:
;; APPLICANT: HIBINO, Toshihiko; TAKAHASHI, Tadabito; HORII, Izumi; and
;; TITLE OF INVENTION: UROKINASE PLASMINOGEN ACTIVATOR FRAGMENTS
;; NUMBER OF SEQUENCES: 25
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: LAHIVE & COCKFIELD, LLP
;; STREET: 28 State Street
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02109
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk


```

/ ADDRESS: LAHIVE & COCKFIELD, LLP
/ STREET: 28 State Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 02109
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: ASCII Text
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/142,590B
/ FILING DATE: 25-OCT-1993
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/042,318
/ FILING DATE: 02-APR-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Myers, Paul L.
/
/ REGISTRATION NUMBER: 35,965
/ REFERENCE/DOCKET NUMBER: MGP-009CP
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 227-7400
/ TELEFAX: (617) 227-5941
/
/ INFORMATION FOR SEQ ID NO: 23:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/
/ US-08-142-590B-23

```

Query Match 32.4%; Score 35; DB 3; Length 20;
Best Local Similarity 46.2%; Pred. No. 44;
Matches 6; Conservative 2; Mismatches 5; Indels

Qy 4 GVTISNNHFFNHH 16
 | : | : | : |
Dd 4 GTCVSNKYFSNIH 16

RESULT 15
 US-08-166-195A-26
 ; Sequence 26, Application US/08166195A
 ; Patent No. 5480799
 ; GENERAL INFORMATION:
 ; APPLICANT: O'Rand, Michael G.
 ; APPLICANT: Widgren, Esther E.
 ; APPLICANT: Richardson, Richard T.
 ; APPLICANT: Lea, Isabel
 ; TITLE OF INVENTION: Sperm Antigen Corresponding to a
 ; TITLE OF INVENTION: Sperm Zona Binding Protein Autoantigenic Epitope
 ; NUMBER OF SEQUENCES: 51
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kenneth D. Sibley
 ; STREET: P.O. Box 34009
 ; CITY: Charlotte
 ; STATE: No. 5480799th Carolina
 ; COUNTRY: USA
 ; ZIP: 28234
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/166,195A
 ; FILING DATE: 10 DEC 1993
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sibley, Kenneth D.
 ; REGISTRATION NUMBER: 31,665

QY 2 FFNHHKVMLGHSD 15
| | | | | | | | | | |
Db 2 FFNHHKVMLGHDD 15

RESULT 2

US-10-354-240-54
; Sequence 54, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40
US-10-354-240-54

Query Match 62.6%; Score 72; DB 14; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.0007;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 HKVMLLGHSDIYSD 20
| | | | | | | | | | | | | | | |
Db 1 HKVMLLGHDDAYSDD 15

RESULT 3

US-10-354-240-52
; Sequence 52, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38
US-10-354-240-52

Query Match 45.2%; Score 52; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.65;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFNHHKVML 10
| | | | | | | | | |
Db 7 FFNHHKVML 15

RESULT 4

US-10-354-240-55
; Sequence 55, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41
US-10-354-240-55

Query Match 40.0%; Score 46; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 5.1;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 LGHSDIYSD 20
| | | | | | | | | | | |
Db 1 LGHDDAYSDD 10

RESULT 5

US-09-864-761-34373
; Sequence 34373, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27

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; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34373
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007914.1
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.85
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.4
; US-09-864-761-34373

Query Match      28.7%; Score 33; DB 9; Length 18;
Best Local Similarity 33.3%; Pred. No. 5.2e+02;
Matches 4; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY      1 HFFNHHKVMLLG 12
DB      7 HHHHHVITIG 18

RESULT 6
US-09-839-497A-11
; Sequence 11, Application US/09839497A
; Patent No. US20020107374A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; FILE REFERENCE: Docket No. US20020107374A1 105-97A
; CURRENT APPLICATION NUMBER: US/09/839,497A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0

Query Match      28.7%; Score 33; DB 9; Length 18;
Best Local Similarity 33.3%; Pred. No. 5.2e+02;
Matches 4; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY      1 HFFNHHKVMLLG 12
DB      7 HHHHHVITIG 18

RESULT 6
US-09-839-497A-11
; Sequence 11, Application US/09839497A
; Patent No. US20020107374A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; FILE REFERENCE: Docket No. US20020107374A1 105-97A
; CURRENT APPLICATION NUMBER: US/09/839,497A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-839-497A-11

Query Match      27.8%; Score 32; DB 9; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      8 VMLLGH 14
DB      1 IMLIGH 7

RESULT 7
US-10-354-698-11
; Sequence 11, Application US/10354698
; Publication No. US20030186416A1
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methyltransferase,
; FILE REFERENCE: Docket No. US20030186416A1 105-97B
; CURRENT APPLICATION NUMBER: US/10/354,698
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: US/09/839,497
; PRIOR FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-354-698-11

Query Match      27.8%; Score 32; DB 14; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      8 VMLLGH 14
DB      1 IMLIGH 7

RESULT 8
US-10-775-965-75
; Sequence 75, Application US/10775965
; Publication No. US20040209808A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; APPLICANT: Kornacker, Michael
; TITLE OF INVENTION: MODULATORS OF HUMAN G-PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: D0286 NP
; CURRENT APPLICATION NUMBER: US/10/775,965
; CURRENT FILING DATE: 2004-02-10
; PRIOR APPLICATION NUMBER: U.S. 60/446,655
; PRIOR FILING DATE: 2003-02-11
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: peptide
; US-10-775-965-75
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Query Match 27.8%; Score 32; DB 16; Length 12;
Best Local Similarity 50.0%; Pred. No. 4.8e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 NHHKVMLLGH 13
| | | | |
Db 3 NSHKIWMPLPH 12

RESULT 9

US-09-734-520-36
; Sequence 36, Application US/09734520
; Patent No. US20020115173A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel
; TITLE OF INVENTION: SHORT PEPTIDES FROM THE A-REGION OF
; TITLE OF INVENTION: PROTEIN KINASES WHICH SELECTIVELY MODULATE PROTEIN KINASE
; FILE OF INVENTION: ACTIVITY
; FILE REFERENCE: 1242.2003-000
; CURRENT APPLICATION NUMBER: US/09/734,520
; CURRENT FILING DATE: 2000-12-11
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: IRK
US-09-734-520-36

Query Match 27.8%; Score 32; DB 9; Length 18;
Best Local Similarity 63.6%; Pred. No. 7.3e+02;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 FFNHHKVMLLG 12
| | | | |
Db 7 FTCHHVRLLG 17

RESULT 10

US-10-012-034A-36
; Sequence 36, Application US/10012034A
; Publication No. US20020137141A1
; GENERAL INFORMATION:
; APPLICANT: Ben-Sasson, Shmuel
; TITLE OF INVENTION: SHORT PEPTIDES FROM THE A-REGION OF
; TITLE OF INVENTION: PROTEIN KINASES WHICH SELECTIVELY MODULATE PROTEIN KINASE
; FILE REFERENCE: BEN-SASSON-5A
; CURRENT APPLICATION NUMBER: US/10/012,034A
; CURRENT FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 09/734,520
; PRIOR FILING DATE: 2000-12-11
; NUMBER OF SEQ ID NOS: 133
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: IRK
; NAME/KEY: MYRISTATE
; LOCATION: (1)...(0)
; FEATURE:
; NAME/KEY: AMIDATION
; LOCATION: (0)...(18)
US-10-012-034A-36

Query Match 27.8%; Score 32; DB 13; Length 18;
Best Local Similarity 63.6%; Pred. No. 7.3e+02;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2 FFNHHKVMLLG 12
| | | | |
Db 7 FTCHHVRLLG 17

RESULT 11

US-10-420-564-6
; Sequence 6, Application US/10420564
; Publication No. US20040001819A1
; GENERAL INFORMATION:
; APPLICANT: Bolen, Paul L.
; APPLICANT: Cihak, Paul, L.
; APPLICANT: Scharpf Jr., Lewis G.
; TITLE OF INVENTION: Recombinant Kid Pregastric Esterase and Methods for
; TITLE OF INVENTION: Its
; TITLE OF INVENTION: Production and Use
; FILE REFERENCE: IFP-0009
; CURRENT APPLICATION NUMBER: US/10/420,564
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: US/10/043,665B
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US 09/186,489
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A modified
; OTHER INFORMATION: polyHis-enterokinase polypeptide sequence
US-10-420-564-6

Query Match 27.8%; Score 32; DB 15; Length 20;
Best Local Similarity 40.0%; Pred. No. 8.2e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 2; Gaps 1;

Qy 1 HFFNHHKVMLLGSHSDIYSD 20
| : | | | | | | | | |
Db 2 HHHHHHHSSGHID--DDD 19

RESULT 12

US-10-870-399-6
; Sequence 6, Application US/10870399
; Publication No. US20050106698A1
; GENERAL INFORMATION:
; APPLICANT: Bolen, Paul L.
; APPLICANT: Cihak, Paul, L.
; APPLICANT: Scharpf Jr., Lewis G.
; TITLE OF INVENTION: Recombinant Kid Pregastric Esterase and Methods for
; TITLE OF INVENTION: Its
; TITLE OF INVENTION: Production and Use
; FILE REFERENCE: IFP-0009
; CURRENT APPLICATION NUMBER: US/10/870,399
; CURRENT FILING DATE: 2004-09-17
; PRIOR APPLICATION NUMBER: C US/10/420,564
; PRIOR FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: US/10/043,665B
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US 09/186,489
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A modified
; OTHER INFORMATION: polyHis-enterokinase polypeptide sequence
US-10-870-399-6

US-10-870-399-6

Query Match 27.8%; Score 32; DB 17; Length 20;
Best Local Similarity 40.0%; Pred. No. 8.2e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 2; Gaps 1;

Qy 1 HFFNHHKMLLGHSDIYSD 20
| :||| :||| :|||
Db 2 HHHHHHHSSGHID--DDD 19

RESULT 13

US-09-880-748-2968
; Sequence 2968, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2968
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-2968

Query Match 27.0%; Score 31; DB 10; Length 17;
Best Local Similarity 50.0%; Pred. No. 9.7e+02;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 9 MLLGHSDIYSD 20
| :||| :||| :|||
Db 5 ILTGSDYGYGMD 16

RESULT 14

US-10-293-418-2968
; Sequence 2968, Application US/10293418
; Publication No. US20030223996A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P2
; CURRENT APPLICATION NUMBER: US/10/293,418
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210

; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 2968
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-2968

Query Match 27.0%; Score 31; DB 15; Length 17;
Best Local Similarity 50.0%; Pred. No. 9.7e+02;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Qy 9 MLLGHSDIYSD 20
| :||| :||| :|||
Db 5 ILTGSDYGYGMD 16

RESULT 15

US-10-414-583-33
; Sequence 33, Application US/10414583
; Publication No. US20040005636A1
; GENERAL INFORMATION:
; APPLICANT: Guy, Rodney Kiplin
; APPLICANT: Moore, Jamie Marie Rasmussen
; APPLICANT: Geistlinger, Timothy Ross
; TITLE OF INVENTION: METHOD FOR OBTAINING THE BINDING AFFINITIES OF A PEPTIDE LIBRARY
; TITLE OF INVENTION: TO A PROTEIN
; FILE REFERENCE: 9811-015-999
; CURRENT APPLICATION NUMBER: US/10/414,583
; CURRENT FILING DATE: 2003-04-15
; PRIOR APPLICATION NUMBER: 60/372,952
; PRIOR FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 33
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-414-583-33

Query Match 27.0%; Score 31; DB 15; Length 20;
Best Local Similarity 43.8%; Pred. No. 1.2e+03;
Matches 7; Conservative 3; Mismatches 2; Indels 4; Gaps 1;

Qy 4 NHHKV---MLLGHSD 15
| :||| :||| :|||
Db 2 SHOKVLLQLLGHKN 17

Search completed: June 20, 2005, 15:55:15
Job time : 54.45 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-22

Perfect score: 115

Sequence: 1 HFFNHHKVMLLGHSDIYSDD 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

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2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*

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5: /cgn2_6/ptodata/1/iaa/PTCUS COMB.pep.*

6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	98	85.2	20	3	US-08-467-023-45
2	76	66.1	15	4	US-09-142-524D-53
3	72	62.6	15	4	US-09-142-524D-54
4	52	45.2	15	4	US-09-142-524D-52
5	52	45.2	20	3	US-08-467-023-44
6	46	40.0	15	4	US-09-142-524D-55
7	46	40.0	20	3	US-08-467-023-46
8	39	33.9	19	4	US-09-121-211-4
9	32	27.8	9	3	US-09-293-322C-11
10	32	27.8	9	4	US-09-839-497A-11
11	32	27.8	15	4	US-09-121-211-10
12	32	27.8	20	3	US-09-186-489-6
13	32	27.8	20	4	US-10-043-665B-6
14	31	27.0	20	1	US-07-678-974D-60
15	31	27.0	20	2	US-08-543-020-12
16	31	27.0	20	2	US-08-945-168-66
17	31	27.0	20	3	US-08-542-051-21
18	31	27.0	20	4	US-09-428-082B-1045
19	31	27.0	20	4	US-09-428-082B-1046
20	30.5	26.5	15	2	US-08-945-848-2
21	30	26.1	11	4	US-08-981-490B-5
22	30	26.1	11	4	US-08-030-175-13
23	30	26.1	14	2	US-08-658-639-1
24	30	26.1	14	3	US-08-944-604-1
25	30	26.1	15	1	US-08-306-546C-19
26	30	26.1	15	2	US-08-530-524A-19
27	30	26.1	15	3	US-08-729-416C-19

Sequence 12, Appl
Sequence 19, Appl
Sequence 4, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 13, Appl
Sequence 46, Appl
Sequence 40, Appl
Sequence 15, Appl
Sequence 103, Appl
Sequence 76, Appl
Sequence 9, Appl
Sequence 75, Appl
Sequence 6, Appl
Sequence 1, Appl
Sequence 41, Appl
Sequence 6, Appl

US-09-019-346A-12
US-09-433-353-19
US-09-127-946-4
US-09-293-322C-13
US-09-293-322C-14
US-09-839-497A-13
US-07-616-910-46
PCT-US91-08497-46
US-08-482-577B-15
US-09-218-176-40
US-09-039-780A-103
US-09-440-781-76
US-08-895-707-9
US-08-408-604A-75
US-07-826-928A-6
US-07-616-910-1
US-07-616-910-41
US-08-742-243-6

ALIGNMENTS

RESULT 1
US-08-467-023-45
; Sequence 45, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-45

Query Match 85.2%; Score 98; DB 3; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.7e-08;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 FFHHKVMLLGHSDIYSDD 20
| | | | | | | | | | | | | | | | | | | |
DB 2 FFHHKVMLLGHDDAYSDD 20

RESULT 2

US-09-142-524D-53
; Sequence 53, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 53

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 39

US-09-142-524D-53

Query Match 66.1%; Score 76; DB 4; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.9e-05;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 FFHHKVMLLGHSD 15
| | | | | | | | | | | | | | | | | | | |
DB 2 FFHHKVMLLGHDD 15

RESULT 3

US-09-142-524D-54

; Sequence 54, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 54

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40
US-09-142-524D-54

Query Match 62.6%; Score 72; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.00016;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 HKVMLLGHSDIYSDD 20
| | | | | | | | | | | | | | | | | | | |
DB 1 HKVMLLGHDDAYSDD 15

RESULT 4

US-09-142-524D-52

; Sequence 52, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 52

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 38

US-09-142-524D-52

Query Match 45.2%; Score 52; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 FFHHKVM 10
| | | | | | | | | | | | | | | | | | | |
DB 7 FFHHKVM 15

RESULT 5

US-08-467-023-44

; Sequence 44, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.;

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-44

Query Match 45.2%; Score 52; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.21; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0;

Qy 2 PFNHHKVM 10
Db 12 PFNHHKVM 20

RESULT 6
US-09-142-524D-55
; Sequence 55, Application US/09142524D
; Patent No. 6719576
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41
US-09-142-524D-55

Query Match 40.0%; Score 46; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.2; Indels 2; Gaps 0;
Matches 8; Conservative 0; Mismatches 0;

Qy 11 LGHSDIYSD 20
Db 1 LGHDDAYSDD 10

us-09-202-464-22.rai
; Sequence 46, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; JAPANESE CEDAR POLLEN
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-46

Query Match 40.0%; Score 46; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.7; Indels 2; Gaps 0;
Matches 8; Conservative 0; Mismatches 0;

Qy 11 LGHSDIYSD 20
Db 1 LGHDDAYSDD 10

us-09-121-211-4
; Sequence 4, Application US/09121211
; Patent No. 6750052
; GENERAL INFORMATION:
; APPLICANT: Shinohara, Toshimichi
; APPLICANT: Shingh, Dharendra P.
; APPLICANT: Chylack, Leo T.
; TITLE OF INVENTION: Lens Epithelial Cell Derived Growth
; FACTOR
; FILE REFERENCE: B0801/7116
; FILE REFERENCE: B0801/7116
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; CURRENT APPLICATION NUMBER: US/09/121,211
; CURRENT FILING DATE: 1998-07-23
; EARLIER APPLICATION NUMBER: U.S. 60/053,549
; EARLIER FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-121-211-4

Query Match      33.9%; Score 39; DB 4; Length 19;
Best Local Similarity 43.8%; Pred. No. 18;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY  2 FNNHKKVLLGHSDIY 17
Db   1 FFGTHETAFLGPKDIP 16

RESULT 9
US-09-293-322C-11
; Sequence 11, Application US/09293322C
; Patent No. 6232110
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylsterase,
; Patent No. 6232110
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; FILE REFERENCE: 105-97
; CURRENT APPLICATION NUMBER: US/09/293,322C
; CURRENT FILING DATE: 1999-04-16
; PRIOR APPLICATION NUMBER: US 60/082,202
; PRIOR FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-293-322C-11

Query Match      27.8%; Score 32; DB 3; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY  8 VMLLGH$ 14
Db   1 IMLIGH$ 7

RESULT 10
US-09-839-497A-11
; Sequence 11, Application US/09839497A
; Patent No. 6528295
; GENERAL INFORMATION:
; APPLICANT: Pallas, David C.
; APPLICANT: Du, Xianxing
; TITLE OF INVENTION: Coding Sequence for Protein Phosphatase Methylsterase,
; Patent No. 6528295
; TITLE OF INVENTION: Recombinant DNA Molecules and Methods
; FILE REFERENCE: Docket No. 6528295 105-97A
; CURRENT APPLICATION NUMBER: US/09/839,497A
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/082,202
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: 09/293,322
; PRIOR FILING DATE: 1999-04-16
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
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; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-839-497A-11

Query Match      27.8%; Score 32; DB 4; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY  8 VMLLGH$ 14
Db   1 IMLIGH$ 7

RESULT 11
US-09-121-211-10
; Sequence 10, Application US/09121211
; Patent No. 6750052
; GENERAL INFORMATION:
; APPLICANT: Shinohara, Toshimichi
; APPLICANT: Shingh, Dharendra P.
; APPLICANT: Chylack, Leo T.
; TITLE OF INVENTION: Lens Epithelial Cell Derived Growth
; FILE REFERENCE: B0801/7116
; CURRENT APPLICATION NUMBER: US/09/121,211
; CURRENT FILING DATE: 1998-07-23
; EARLIER APPLICATION NUMBER: U.S. 60/053,549
; EARLIER FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)...(15)
US-09-121-211-10

Query Match      27.8%; Score 32; DB 4; Length 15;
Best Local Similarity 42.9%; Pred. No. 1.5e+02;
Matches 6; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY  2 FNNHKKVLLGHSD 15
Db   2 FFGTHETAFLGPKD 15
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RESULT 12
US-09-186-489-6
; Sequence 6, Application US/09186489
; Patent No. 6375947
; GENERAL INFORMATION:
; APPLICANT: Bolen, Paul L.
; APPLICANT: Cihak, Paul L.
; APPLICANT: Scharp Jr., Lewis G.
; TITLE OF INVENTION: Purified Recombinant Kid Pregastric Esterase, and
; TITLE OF INVENTION: Processes for its Production and Use
; FILE REFERENCE: 5499/3
; CURRENT APPLICATION NUMBER: US/09/186,489
; CURRENT FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A modified
; OTHER INFORMATION: polyhis-enterokinase polypeptide sequence
US-09-186-489-6
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Query Match      27.8%; Score 32; DB 3; Length 20;
Best Local Similarity 40.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 2; Gaps 1;

Qy 1 HFFNHHKVMLLGHSDIYSD 20
    | :||| | | | | | |
Db 2 HHHHHHHHSSGHID--DDD 19

RESULT 13
US-10-043-665B-6
; Sequence 6, Application US/10043665B
; Patent No. 6582948
; GENERAL INFORMATION:
; APPLICANT: Bolen, Paul L.
; APPLICANT: Cihak, Paul, L.
; APPLICANT: Scharpf Jr., Lewis G.
; TITLE OF INVENTION: Recombinant Kid Progastric Esterase and Methods for Its
; FILE REFERENCE: IFF-0009
; CURRENT APPLICATION NUMBER: US/10/043.665B
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US 09/186,489
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A modified
; OTHER INFORMATION: polyhis-enterokinase polypeptide sequence
US-10-043-665B-6

Query Match      27.8%; Score 32; DB 4; Length 20;
Best Local Similarity 40.0%; Pred. No. 2.1e+02;
Matches 8; Conservative 1; Mismatches 9; Indels 2; Gaps 1;

Qy 1 HFFNHHKVMLLGHSDIYSD 20
    | :||| | | | | | |
Db 2 HHHHHHHHSSGHID--DDD 19

RESULT 14
US-07-678-974D-60
; Sequence 60, Application US/07678974D
; Patent No. 5629146
; GENERAL INFORMATION:
; APPLICANT: DILLNER, JOAKIM
; APPLICANT: DILLNER, LENA
; TITLE OF INVENTION: METHOD FOR DETECTION OF HUMAN PAPILLOMAVIRUS
; FILE REFERENCE: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERMAN & AISENBERG
; STREET: 1730 RHODE ISLAND AVENUE, N.W.,
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036-3186
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/07/678.974D
; FILING DATE: 25-JUN-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: AISENBERG, Irwin M.
; REGISTRATION NUMBER: 19,007
```

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; REFERENCE/DOCKET NUMBER: SG19171
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-293-1404
; TELEFAX: 202-872-0493
; TELEX: 440 069 AIS UI
; INFORMATION FOR SEQ ID NO: 60:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-07-678-974D-60

Query Match      27.0%; Score 31; DB 1; Length 20;
Best Local Similarity 66.7%; Pred. No. 3e+02;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 12 GHSDIYSD 20
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Db 3 GLYDIYADD 11

RESULT 15
US-08-543-020-12
; Sequence 12, Application US/08543020
; Patent No. 5854387
; GENERAL INFORMATION:
; APPLICANT: Urry, Dan W.
; APPLICANT: McPherson, David T.
; APPLICANT: Xu, Jie
; TITLE OF INVENTION: A Simple Method for the Purification of
; TITLE OF INVENTION: a Bioelastic Polymer
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/543.020
; FILING DATE: 13-OCT-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Hughes, Melya J.
; REGISTRATION NUMBER: 38,696
; REFERENCE/DOCKET NUMBER: BERL-016/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415 857 0663
; TELEFAX: 415 857 0663
; TELEX: 380816COOLEYPA
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEetical: NO
; ANTI-SENSE: NO
US-08-543-020-12

Query Match      27.0%; Score 31; DB 2; Length 20;
Best Local Similarity 33.3%; Pred. No. 3e+02;
Matches 4; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 1 HFFNHHKVMLLG 12
    | | | | |
Db 5 HHHHHHGIQYMG 16
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Search completed: June 20, 2005, 14:22:20
Job time : 16.15 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-23

Perfect score: 103

Sequence: 1 LGHSDIYSDDKSMKVTVAFN 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
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- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	71	68.9	15	14	US-10-354-240-56
2	69	67.0	15	14	US-10-354-240-55
3	48	46.6	15	11	US-09-739-466C-21
4	48	46.6	15	14	US-10-354-240-9
5	48	46.6	15	14	US-10-354-240-57
6	48	46.6	15	14	US-10-354-240-158
7	46	44.7	15	14	US-10-354-240-54
8	32.5	31.6	20	10	US-09-853-079-218
9	32.5	31.6	20	15	US-10-294-443-218
10	32	31.1	18	14	US-10-084-813-172
11	32	31.1	20	14	US-10-212-679-399
					Sequence 56, Appl
					Sequence 55, Appl
					Sequence 21, Appl
					Sequence 9, Appl
					Sequence 57, Appl
					Sequence 158, Appl
					Sequence 54, Appl
					Sequence 218, Appl
					Sequence 218, Appl
					Sequence 172, Appl
					Sequence 399, Appl

12	32	31.1	20	14	US-10-212-679-400	Sequence 400, App
13	32	31.1	20	15	US-10-079-137B-399	Sequence 399, App
14	32	31.1	20	15	US-10-079-137B-400	Sequence 400, App
15	30	29.1	14	14	US-10-033-741-38	Sequence 38, Appl
16	30	29.1	14	14	US-10-033-662-39	Sequence 39, Appl
17	30	29.1	14	15	US-10-285-394-233	Sequence 233, App
18	30	29.1	14	17	US-10-923-324-54	Sequence 54, Appl
19	30	29.1	18	16	US-10-775-640-4	Sequence 4, Appl
20	30	29.1	18	16	US-10-775-423-4	Sequence 4, Appl
21	30	29.1	18	17	US-10-191-733-4	Sequence 4, Appl
22	30	29.1	19	15	US-10-262-794A-65	Sequence 65, Appl
23	30	29.1	20	16	US-10-776-013-657	Sequence 657, App
24	30	29.1	20	17	US-10-486-924-1	Sequence 1, Appl
25	30	29.1	20	17	US-10-486-924-2	Sequence 2, Appl
26	29	28.2	10	15	US-10-380-147-45	Sequence 45, Appl
27	29	28.2	13	15	US-10-436-715-422	Sequence 422, App
28	29	28.2	17	10	US-09-832-464-22	Sequence 22, Appl
29	29	28.2	17	17	US-10-901-897-22	Sequence 22, Appl
30	29	28.2	16	9	US-09-966-955A-23	Sequence 23, Appl
31	29	28.2	18	14	US-10-092-367-5	Sequence 5, Appl
32	29	28.2	18	14	US-10-092-367-137	Sequence 137, App
33	29	28.2	18	14	US-10-092-367-153	Sequence 153, App
34	29	28.2	18	14	US-10-210-023-98	Sequence 98, Appl
35	29	28.2	18	15	US-10-351-334-342	Sequence 342, App
36	29	28.2	18	16	US-10-867-460-98	Sequence 98, Appl
37	28.5	27.7	20	14	US-10-186-681-3	Sequence 3, Appl
38	28.5	27.7	19	14	US-10-105-232-118	Sequence 118, App
39	28.5	27.7	19	14	US-10-105-232-131	Sequence 131, App
40	28.5	27.7	19	14	US-10-189-437-105	Sequence 105, App
41	28.5	27.7	19	14	US-10-189-437-118	Sequence 118, App
42	28	27.2	14	9	US-09-966-955A-35	Sequence 35, Appl
43	28	27.2	17	10	US-09-836-433-38	Sequence 38, Appl
44	28	27.2	18	14	US-10-092-367-169	Sequence 169, App
45	28	27.2	18	14	US-10-092-367-185	Sequence 185, App

ALIGNMENTS

RESULT 1
US-10-354-240-56
; Sequence 56, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-10301
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42
US-10-354-240-56

Query Match 68.9%; Score 71; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.00012;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 YSDDKSMKVTVAFN 20
Db 2 YSDDKSMKVTVAFN 15

RESULT 2
US-10-354-240-55
; Sequence 55, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohseuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 55
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 41
US-10-354-240-55

Query Match 67.0%; Score 69; DB 14; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 LGHSDIYSDDKSMKV 15
Db 1 LGHDDAYSDDKSMKV 15

RESULT 3
US-09-739-466C-21
; Sequence 21, Application US/09739466C
; Publication No. US20050107585A1
; GENERAL INFORMATION:
; APPLICANT: MURRAY, JOSEPH S
; APPLICANT: SIAHAAN, TERUNA J
; APPLICANT: HU, YONGBO
; TITLE OF INVENTION: SIGNAL-1/SIGNAL-2 BIFUNCTIONAL PEPTIDE INHIBITORS
; FILE REFERENCE: 23902-08805
; CURRENT APPLICATION NUMBER: US/09/739,466C
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 21
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-739-466C-21

Query Match 46.6%; Score 48; DB 11; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 4
US-10-354-240-9
; Sequence 9, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohseuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-9

Query Match 46.6%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 KSMKVTVAFN 20
Db 1 KSMKVTVAFN 10

RESULT 5
US-10-354-240-57
; Sequence 57, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohseuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 57
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
US-10-354-240-57

Query Match 46.6%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 KSMKVTVAFN 20
Db 1 KSMKVTVAFN 10

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RESULT 6
US-10-354-240-158
; Sequence 158, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 158
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row a
US-10-354-240-158

Query Match      46.6%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      11 KSMKVTVAFN 20
Db      1 KSMKVTVAFN 10
      |||||
      |||||

RESULT 7
US-10-354-240-54
; Sequence 54, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 40
US-10-354-240-54

Query Match      44.7%; Score 46; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.4;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      11 KSMKVTVAFN 20
Db      1 KSMKVTVAFN 10
      |||||
      |||||
  
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Qy      1 LGHSDIYSD 10
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Db      6 LGHDDAYSDD 15

RESULT 8
US-09-853-079-218
; Sequence 218, Application US/09853079
; Publication No. US20030109689A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Homer, Mary
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; FILE REFERENCE: 210121.426C11
; CURRENT APPLICATION NUMBER: US/09/853,079
; CURRENT FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 218
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Babesia microti
US-09-853-079-218

Query Match      31.6%; Score 32.5; DB 10; Length 20;
Best Local Similarity 40.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 5; Gaps 1;

Qy      1 LGH-----SDIYSDDKSMKV 15
      |||||
Db      1 LGHSDMASDINDEEPSFKI 20

RESULT 9
US-10-294-443-218
; Sequence 218, Application US/10294443
; Publication No. US20040023865A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Homer, Mary J.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS
; FILE REFERENCE: 210121.426C12
; CURRENT APPLICATION NUMBER: US/10/294,443
; CURRENT FILING DATE: 2002-11-13
; NUMBER OF SEQ ID NOS: 243
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 218
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Babesia microti
US-10-294-443-218

Query Match      31.6%; Score 32.5; DB 15; Length 20;
Best Local Similarity 40.0%; Pred. No. 3.1e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 5; Gaps 1;

Qy      1 LGH-----SDIYSDDKSMKV 15
      |||||
Db      1 LGHSDMASDINDEEPSFKI 20
  
```

RESULT 10
US-10-084-813-172
; Sequence 172, Application US/10084813
; Publication No. US20030068615A1
; GENERAL INFORMATION:
; APPLICANT: SAXINGER, CARL
; TITLE OF INVENTION: POLYPEPTIDES THAT BIND HIV GP120 AND RELATED NUCLEIC
; TITLE OF INVENTION: ACIDS, ANTIBODIES, COMPOSITIONS, AND METHODS OF USE
; FILE REFERENCE: 215875
; CURRENT APPLICATION NUMBER: US/10/084,813
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: PCT/US00/23505
; PRIOR FILING DATE: 2000-08-25
; PRIOR APPLICATION NUMBER: US 60/151,270
; PRIOR FILING DATE: 1999-08-27
; NUMBER OF SEQ ID NOS: 1242
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 172
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: binding peptide
US-10-084-813-172

Query Match 31.1%; Score 32; DB 14; Length 18;
Best Local Similarity 41.2%; Pred. No. 3.3e+02;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 1 LCHSDIYSDDKSMKVTY 17
| | | | : | | | | |
DB 2 LSHSKGHQKRKALKTTV 18

RESULT 11
US-10-212-679-399
; Sequence 399, Application US/10212679
; Publication No. US20030125536A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary
; APPLICANT: Hirst, Shannon Kathleen
; APPLICANT: Dillon, David
; APPLICANT: Foy, Teresa
; APPLICANT: Houghton, Ray
; APPLICANT: Kalos, Michael
; APPLICANT: Persing, David
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C14
; CURRENT APPLICATION NUMBER: US/10/212,679
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 399
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-679-399

Query Match 31.1%; Score 32; DB 14; Length 20;
Best Local Similarity 54.5%; Pred. No. 3.8e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 HSDIYSDDKSM 13
| | | | | | | | | |
DB 8 HYAIYNEDKLM 18

RESULT 12
US-10-212-679-400
; Sequence 400, Application US/10212679
; Publication No. US20030125536A1

; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary
; APPLICANT: Hirst, Shannon Kathleen
; APPLICANT: Dillon, David
; APPLICANT: Foy, Teresa
; APPLICANT: Houghton, Ray
; APPLICANT: Persing, David
; APPLICANT: Kalos, Michael
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C14
; CURRENT APPLICATION NUMBER: US/10/212,679
; CURRENT FILING DATE: 2002-08-02
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 400
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-679-400

Query Match 31.1%; Score 32; DB 14; Length 20;
Best Local Similarity 54.5%; Pred. No. 3.8e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 HSDIYSDDKSM 13
| | | | | | | | | |
DB 3 HYAIYNEDKLM 13

RESULT 13
US-10-079-137B-399
; Sequence 399, Application US/10079137B
; Publication No. US20040073016A1
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Mishner, Lynda E.
; APPLICANT: Dillon, David C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; APPLICANT: Li, Samuel X.
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C13
; CURRENT APPLICATION NUMBER: US/10/079,137B
; CURRENT FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 399
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-079-137B-399

Query Match 31.1%; Score 32; DB 15; Length 20;
Best Local Similarity 54.5%; Pred. No. 3.8e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 3 HSDIYSDDKSM 13
| | | | | | | | | |
DB 8 HYAIYNEDKLM 18

RESULT 14
US-10-079-137B-400
; Sequence 400, Application US/10079137B
; Publication No. US20040073016A1

; GENERAL INFORMATION:
; APPLICANT: Fridakis, Tony N.
; APPLICANT: Reed, Steven G.
; APPLICANT: Smith, John M.
; APPLICANT: Misher, Lynda E.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Retter, Marc W.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Day, Craig H.
; APPLICANT: Li, Samuel X.
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.419C13
; CURRENT APPLICATION NUMBER: US/10/079,137B
; CURRENT FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 400
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-079-137B-400

Query Match 31.1%; Score 32; DB 15; Length 20;
Best Local Similarity 54.5%; Pred. No. 3.8e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 3 HSDIYDDKSM 13
| | | | |
Db 3 HYAIYNEDKLM 13

RESULT 15
US-10-033-741-38
; Sequence 38, Application US/10033741
; Publication No. US20030049640A1
; GENERAL INFORMATION:
; APPLICANT: Herman, et al.
; TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of Vasc
; FILE OF INVENTION: Response
; FILE REFERENCE: 9195-079
; CURRENT APPLICATION NUMBER: US/10/033,741
; CURRENT FILING DATE: 2001-12-27
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-033-741-38

Query Match 29.1%; Score 30; DB 14; Length 14;
Best Local Similarity 42.9%; Pred. No. 5.3e+02;
Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 1 LGHSDIYDDKSMK 14
| | | | |
Db 1 LGNINTYADDLQNK 14

Search completed: June 20, 2005, 15:55:16
Job time : 54.45 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-23

Perfect score: 103

Sequence: 1 LGHSDIYDDKSMKVTVAFN 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

1: /cgn2_6/ptodata/1/iaa/5A COMB.pep.*

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5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*

6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	94	91.3	20	3	US-08-467-023-46
2	76	73.8	20	3	US-08-467-023-234
3	71	68.9	15	4	US-09-142-524D-56
4	69	67.0	15	4	US-09-142-524D-55
5	60	58.3	17	3	US-08-467-023-240
6	60	58.3	19	3	US-08-467-023-239
7	56	54.4	16	3	US-08-467-023-246
8	56	54.4	17	3	US-08-467-023-241
9	56	54.4	17	3	US-08-467-023-242
10	56	54.4	18	3	US-08-467-023-253
11	56	54.4	19	3	US-08-467-023-227
12	52	50.5	19	3	US-08-467-023-121
13	52	50.5	19	3	US-08-467-023-122
14	52	50.5	20	3	US-08-467-023-230
15	50	48.5	17	3	US-08-467-023-257
16	49	47.6	15	3	US-08-467-023-256
17	48	46.6	13	3	US-08-467-023-235
18	48	46.6	14	3	US-08-467-023-247
19	48	46.6	15	3	US-08-467-023-245
20	48	46.6	15	3	US-08-467-023-255
21	48	46.6	15	4	US-09-142-524D-9
22	48	46.6	15	4	US-09-142-524D-57
23	48	46.6	15	4	US-09-142-524D-158
24	48	46.6	16	3	US-08-467-023-243
25	48	46.6	16	3	US-08-467-023-244
26	48	46.6	16	3	US-08-467-023-248
27	48	46.6	16	3	US-08-467-023-250

Sequence 254, App
Sequence 251, App
Sequence 252, App
Sequence 126, App
Sequence 4, Appli
Sequence 47, Appl
Sequence 54, Appl
Sequence 45, Appl
Sequence 249, App
Sequence 60, Appl
Sequence 66, Appl
Sequence 13, Appl
Sequence 19, Appl
Sequence 4, Appli
Sequence 65, Appl
Sequence 19, Appl

28 48 46.6 16 3 US-08-467-023-254
29 48 46.6 17 3 US-08-467-023-251
30 48 46.6 18 3 US-08-467-023-252
31 48 46.6 19 3 US-08-467-023-126
32 48 46.6 19 3 US-08-467-023-236
33 48 46.6 20 3 US-08-467-023-47
34 46 44.7 15 4 US-09-142-524D-54
35 46 44.7 20 3 US-08-467-023-45
36 43 41.7 16 3 US-08-467-023-249
37 31 30.1 20 1 US-07-678-974D-60
38 31 30.1 20 2 US-08-945-168-66
39 30 29.1 11 4 US-08-030-175-13
40 30 29.1 15 3 US-08-729-416C-19
41 30 29.1 15 4 US-09-433-353-19
42 30 29.1 18 4 US-09-127-946-4
43 30 29.1 19 4 US-08-851-567B-65
44 29 28.2 15 1 US-08-306-546C-19
45 29 28.2 15 2 US-08-530-524A-19

ALIGNMENTS

RESULT 1
US-08-467-023-46
; Sequence 46, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

RESULT 5

US-08-467-023-240
; Sequence 240, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467.023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 240:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-240

COMPUTER READABLE FORM:

US-08-467-023-240
; Sequence 240, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467.023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 240:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-240

Query Match 58.3%; Score 60; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 DDKSMKVTVAFN 20

Db 2 DDKSMKVTVAFN 13

RESULT 6

US-08-467-023-239
; Sequence 239, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467.023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 239:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-239

Query Match 58.3%; Score 60; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 DDKSMKVTVAFN 20

Db 2 DDKSMKVTVAFN 13

RESULT 7

US-08-467-023-246
; Sequence 246, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 246:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
MOLECULE TYPE: linear
FRAGMENT TYPE: internal
US-08-467-023-246

Query Match 54.4%; Score 56; DB 3; Length 16;
Best Local Similarity 91.7%; Pred. No. 0.0049;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 DDKSMKVTVAFN 20
:|||||
Db 4 EDKSMKVTVAFN 15

RESULT 8
US-08-467-023-241
Sequence 241, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
MOLECULE TYPE: linear
FRAGMENT TYPE: internal
US-08-467-023-241

Query Match 54.4%; Score 56; DB 3; Length 17;
Best Local Similarity 91.7%; Pred. No. 0.0053;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 9 DDKSMKVTVAFN 20
:|||||
Db 2 EDKSMKVTVAFN 13

RESULT 9
US-08-467-023-242
Sequence 242, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 242:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
MOLECULE TYPE: linear

MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-242

Query Match 54.4%; Score 56; DB 3; Length 17;
Best Local Similarity 91.7%; Pred. No. 0.0053;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 2 EDKSMKVTVAFN 13

RESULT 10

US-08-467-023-253

Sequence 253, Application US/08467023

Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffith, Irwin J.;

APPLICANT: Pollock, Joanne;

APPLICANT: Bond, Julian F.;

APPLICANT: Garman, Richard D.;

APPLICANT: Kuo, Mei-Chang;

APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Brauer, Andrew;

APPLICANT: Exley, Mark A.;

APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From

TITLE OF INVENTION: Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

STREET: 610 Lincoln St

CITY: Waltham

STATE: MA

COUNTRY: USA

ZIP: 02154

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023

FILING DATE: June 6, 1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 253:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-467-023-253

Query Match 54.4%; Score 56; DB 3; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.0056;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 1 DEKSMKVTVAFN 12

RESULT 11

US-08-467-023-227

Sequence 227, Application US/08467023

Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffith, Irwin J.;

APPLICANT: Pollock, Joanne;

APPLICANT: Bond, Julian F.;

APPLICANT: Garman, Richard D.;

APPLICANT: Kuo, Mei-Chang;

APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Brauer, Andrew;

APPLICANT: Exley, Mark A.;

APPLICANT: Powers, Steven P.

TITLE OF INVENTION: Allergenic Proteins And Peptides From

TITLE OF INVENTION: Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261

CORRESPONDENCE ADDRESS:

ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

STREET: 610 Lincoln St

CITY: Waltham

STATE: MA

COUNTRY: USA

ZIP: 02154

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/467,023

FILING DATE: June 6, 1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/350,225

FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:

NAME: Jane E. Remillard

REGISTRATION NUMBER: 38,872

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 227-7400

TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 227:

SEQUENCE CHARACTERISTICS:

LENGTH: 19 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-08-467-023-227

Query Match 54.4%; Score 56; DB 3; Length 19;
Best Local Similarity 91.7%; Pred. No. 0.006;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 1 DEKSMKVTVAFN 12

RESULT 12

US-08-467-023-121

Sequence 121, Application US/08467023

Patent No. 6090386

GENERAL INFORMATION:

APPLICANT: Griffith, Irwin J.;

APPLICANT: Pollock, Joanne;

APPLICANT: Bond, Julian F.;

APPLICANT: Garman, Richard D.;

APPLICANT: Kuo, Mei-Chang;

APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.;
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 121:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-121

Query Match 50.5%; Score 52; DB 3; Length 19;
Best Local Similarity 83.3%; Pred. No. 0.029;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
|:|||||
Db 1 DEKSMKATVAFN 12

RESULT 13
US-08-467-023-122
Sequence 122, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA

ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 122:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-122

Query Match 50.5%; Score 52; DB 3; Length 19;
Best Local Similarity 83.3%; Pred. No. 0.029;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
|:|||||
Db 1 DEKSMKVTAAFN 12

RESULT 14
US-08-467-023-230
Sequence 230, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225

; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 230:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-230

Query Match 50.5%; Score 52; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 0.031;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 9 DDKSMKVTVAFN 20
Db 2 EEKSMKVTVAFN 13

RESULT 15

US-08-467-023-257
; Sequence 257, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 257:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid

; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-257
Query Match 48.5%; Score 50; DB 3; Length 17;
Best Local Similarity 83.3%; Pred. No. 0.055;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 9 DDKSMKVTVAFN 20
Db 1 NNKSMKVTVAFN 12

Search completed: June 20, 2005, 14:22:21
Job time : 17.15 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
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Title: US-09-202-464-24

Perfect score: 103

Sequence: 1 KSMKVTVAFNQFGNAGORM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pdb.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pdb.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pdb.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pdb.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pdb.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pdb.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pdb.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pdb.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pdb.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pdb.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pdb.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pdb.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	78	75.7	15	11 US-09-739-466C-21	Sequence 21, Appl
2	78	75.7	15	14 US-10-354-240-9	Sequence 9, Appli
3	78	75.7	15	14 US-10-354-240-57	Sequence 57, Appl
4	78	75.7	15	14 US-10-354-240-158	Sequence 158, App
5	76	73.8	15	14 US-10-354-240-58	Sequence 58, Appl
6	51	49.5	15	14 US-10-354-240-59	Sequence 59, Appl
7	48	46.6	15	14 US-10-354-240-56	Sequence 56, Appl
8	30	29.1	9	14 US-10-079-167-73	Sequence 73, Appl
9	30	29.1	9	16 US-10-833-624-73	Sequence 73, Appl
10	30	29.1	9	16 US-10-833-439-73	Sequence 73, Appl
11	30	29.1	9	16 US-10-833-745-73	Sequence 73, Appl

12	30	29.1	9	16	US-10-833-744-73	Sequence 73, Appl
13	30	29.1	9	16	US-10-686-943-73	Sequence 73, Appl
14	29.5	28.6	20	14	US-10-382-960-74	Sequence 74, Appl
15	29	28.2	9	16	US-10-730-454-26	Sequence 26, Appl
16	29	28.2	9	16	US-10-730-454-32	Sequence 32, Appl
17	29	28.2	10	14	US-10-022-066-448	Sequence 448, App
18	29	28.2	13	14	US-10-239-423-53	Sequence 53, Appl
19	29	28.2	13	15	US-10-436-715-422	Sequence 422, App
20	29	28.2	16	14	US-10-225-567A-1288	Sequence 1288, Ap
21	29	28.2	18	14	US-10-225-567B-1508	Sequence 1508, Ap
22	28	27.2	9	9	US-09-776-874A-8	Sequence 8, Appli
23	28	27.2	9	9	US-09-988-113-8	Sequence 8, Appli
24	28	27.2	9	14	US-10-341-582-8	Sequence 8, Appli
25	28	27.2	9	14	US-10-384-451-8	Sequence 8, Appli
26	28	27.2	9	14	US-10-384-450-8	Sequence 8, Appli
27	28	27.2	9	15	US-10-371-218A-8	Sequence 8, Appli
28	28	27.2	9	15	US-10-456-573-8	Sequence 8, Appli
29	28	27.2	9	16	US-10-785-116-8	Sequence 8, Appli
30	28	27.2	10	16	US-10-745-242A-33	Sequence 33, Appl
31	28	27.2	13	17	US-10-491-891-79	Sequence 79, Appl
32	28	27.2	15	16	US-10-203-915A-34	Sequence 34, Appl
33	28	27.2	15	16	US-10-203-915A-35	Sequence 35, Appl
34	28	27.2	15	17	US-10-886-773-170	Sequence 170, App
35	28	27.2	15	17	US-10-886-773-171	Sequence 171, App
36	28	27.2	16	9	US-09-826-752-19	Sequence 19, Appl
37	28	27.2	16	17	US-10-912-434-19	Sequence 19, Appl
38	28	27.2	18	16	US-10-729-441-37	Sequence 37, Appl
39	28	27.2	18	16	US-10-729-441-38	Sequence 38, Appl
40	28	27.2	19	8	US-08-841-636A-29	Sequence 29, Appl
41	28	27.2	19	11	US-09-951-938-8	Sequence 8, Appli
42	28	27.2	19	14	US-10-300-694A-114	Sequence 114, App
43	28	27.2	19	15	US-10-447-839A-8	Sequence 8, Appli
44	28	27.2	19	16	US-10-782-002-29	Sequence 29, Appl
45	28	27.2	19	16	US-10-825-378-29	Sequence 29, Appl

ALIGNMENTS

RESULT 1

US-09-739-466C-21
; Sequence 21, Application US/09739466C
; Publication No. US20050107585A1
; GENERAL INFORMATION:
; APPLICANT: MURRAY, JOSEPH S
; APPLICANT: STAHRAAN, TERUNA J
; APPLICANT: HU, YONGSO
; TITLE OF INVENTION: SIGNAL-1/SIGNAL-2 BIFUNCTIONAL PEPTIDE INHIBITORS
; FILE REFERENCES: 23902-08805
; CURRENT APPLICATION NUMBER: US/09/739,466C
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn ver. 3.2
; SEQ ID NO 21
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; US-09-739-466C-21

Query Match 75.7%; Score 78; DB 11; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15

Db 1 KSMKVTVAFNQFGPN 15

RESULT 2

US-10-354-240-9
; Sequence 9, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:

```
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-9

Query Match      75.7%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KSMKVTVAFNQFGPN 15
DB      1 KSMKVTVAFNQFGPN 15

RESULT 3
US-10-354-240-57
; Sequence 57, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 57
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43
US-10-354-240-57

Query Match      75.7%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KSMKVTVAFNQFGPN 15
DB      1 KSMKVTVAFNQFGPN 15

RESULT 4
US-10-354-240-158
; Sequence 158, Application US/10354240
; Publication No. US20030185847A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 158
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Figure 7, Row a
US-10-354-240-158

Query Match      75.7%; Score 78; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e-06;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 KSMKVTVAFNQFGPN 15
DB      1 KSMKVTVAFNQFGPN 15

RESULT 5
US-10-354-240-58
; Sequence 58, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
US-10-354-240-58

Query Match      73.8%; Score 76; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.7e-06;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      6 TVAFNQFGPNAGQRM 20
DB      1 TVAFNQFGPNAGQRM 15
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RESULT 6
US-10-354-240-59
; Sequence 59, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 59
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 45
US-10-354-240-59
Query Match 49.5%; Score 51; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.098;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 11 QFGPNCQGM 20
Db 1 QFGPNCQGM 10
RESULT 7
US-10-354-240-56
; Sequence 56, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 42
US-10-354-240-56
Query Match 46.6%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.32;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFN 10
Db 6 KSMKVTVAFN 15
RESULT 8
US-10-079-167-73
; Sequence 73, Application US/10079167
; Publication No. US20030138454A1
; GENERAL INFORMATION:
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: McShane, Helen
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Reece, William
; APPLICANT: Schneider, Joerg
; TITLE OF INVENTION: Vaccination Method
; FILE REFERENCE: 2907.1000-001
; CURRENT APPLICATION NUMBER: US/10/079,167
; CURRENT FILING DATE: 2002-02-19
; PRIOR APPLICATION NUMBER: US 09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; PRIOR APPLICATION NUMBER: PCT/GB01/04116
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: GB 00 23203.3
; PRIOR FILING DATE: 2001-09-21
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-079-167-73
Query Match 29.1%; Score 30; DB 14; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.6e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
Qy 5 VTVAENQF 12
Db 1 INVAFNRF 8
RESULT 9
US-10-653-624-73
; Sequence 73, Application US/10653624
; Publication No. US20040131594A1
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Joerg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/653,624
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: US/09/454,204A
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09

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; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-653-624-73

Query Match      29.1%; Score 30; DB 16; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.6e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      5 VTVAFNQF 12
      : |||||:
Db      1 INVAFNRF 8

RESULT 10
US-10-833-439-73
; Sequence 73, Application US/10833439
; Publication No. US20040175365A1
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Schneider, Jorg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/833,439
; PRIOR FILING DATE: 2004-04-28
; PRIOR APPLICATION NUMBER: US/10/686,943
; PRIOR FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: US/09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-439-73

Query Match      29.1%; Score 30; DB 16; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.6e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      5 VTVAFNQF 12
      : |||||:
Db      1 INVAFNRF 8

RESULT 11
US-10-833-745-73
; Sequence 73, Application US/10833745
; Publication No. US2004019127A1
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Jorg
```

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; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/833,745
; CURRENT FILING DATE: 2004-04-28
; PRIOR APPLICATION NUMBER: US/10/686,943
; PRIOR FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: US/09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-745-73

Query Match      29.1%; Score 30; DB 16; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.6e+06;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      5 VTVAFNQF 12
      : |||||:
Db      1 INVAFNRF 8

RESULT 12
US-10-833-744-73
; Sequence 73, Application US/10833744
; Publication No. US20040197349A1
; GENERAL INFORMATION:
; APPLICANT: McMichael, Andrew
; APPLICANT: Hill, Adrian V.S.
; APPLICANT: Gilbert, Sarah C.
; APPLICANT: Schneider, Jorg
; APPLICANT: Plebanski, Magdalena
; APPLICANT: Hanke, Tomas
; APPLICANT: Smith, Geoffrey L.
; APPLICANT: Blanchard, Tom
; TITLE OF INVENTION: Methods and Reagents for Vaccination
; FILE REFERENCE: 2907.1000-000
; CURRENT APPLICATION NUMBER: US/10/833,744
; CURRENT FILING DATE: 2004-04-08
; PRIOR APPLICATION NUMBER: US/10/686,943
; PRIOR FILING DATE: 2003-10-16
; PRIOR APPLICATION NUMBER: US/09/454,204
; PRIOR FILING DATE: 1999-12-09
; PRIOR APPLICATION NUMBER: PCT/GB98/01681
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: GB 97 11957.2
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: CTL Peptide Epitope of P. falciparum TRAP
US-10-833-744-73

Query Match      29.1%; Score 30; DB 16; Length 9;
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US-10-282-960-74

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-24

Perfect score: 103

Sequence: 1 KSMKVTVAFNQFGNAGQRM 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
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4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	99	96.1	20	3	US-08-467-023-47
2	78	75.7	15	4	US-09-142-524D-9
3	78	75.7	15	4	US-09-142-524D-57
4	78	75.7	15	4	US-09-142-524D-158
5	78	75.7	19	3	US-08-467-023-227
6	78	75.7	19	3	US-08-467-023-236
7	78	75.7	20	3	US-08-467-023-230
8	76	73.8	15	4	US-09-142-524D-58
9	74	71.8	19	3	US-08-467-023-121
10	74	71.8	19	3	US-08-467-023-122
11	70	68.0	19	3	US-08-467-023-126
12	69	67.0	17	3	US-08-467-023-257
13	65	63.1	13	3	US-08-467-023-235
14	65	63.1	15	3	US-08-467-023-255
15	65	63.1	15	3	US-08-467-023-256
16	65	63.1	16	3	US-08-467-023-248
17	65	63.1	16	3	US-08-467-023-250
18	65	63.1	17	3	US-08-467-023-251
19	65	63.1	18	3	US-08-467-023-252
20	65	63.1	18	3	US-08-467-023-253
21	65	63.1	19	3	US-08-467-023-239
22	65	63.1	20	3	US-08-467-023-234
23	60	58.3	16	3	US-08-467-023-249
24	57	55.3	16	3	US-08-467-023-254
25	53	51.5	14	3	US-08-467-023-247
26	53	51.5	15	3	US-08-467-023-245
27	53	51.5	16	3	US-08-467-023-243

Sequence 244, App
Sequence 246, App
Sequence 240, App
Sequence 241, App
Sequence 242, App
Sequence 59, Appl
Sequence 48, Appl
Sequence 56, Appl
Sequence 46, Appl
Sequence 4, Appl
Sequence 64, Appl
Sequence 10, Appl
Sequence 15, Appl
Sequence 21, Appl
Sequence 24, Appl
Sequence 73, Appl
Sequence 26, Appl
Sequence 32, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-47
; Sequence 47, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-47

Query Match 96.1%; Score 99; DB 3; Length 20;

Best Local Similarity 95.0%; Pred. No. 5.8e-11;

Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFGPNAGORM 20

Db 1 KSMKVTVAFNQFGPNCGQRM 20

RESULT 2

US-09-142-524D-9

; Sequence 9, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; FILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; CURRENT APPLICATION NUMBER: US/09/142,524D

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 9

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

US-09-142-524D-9

Query Match

Best Local Similarity 75.7%; Score 78; DB 4; Length 15;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFGPN 15

Db 1 KSMKVTVAFNQFGPN 15

RESULT 3

US-09-142-524D-57

; Sequence 57, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; FILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; CURRENT APPLICATION NUMBER: US/09/142,524D

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 57

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 43

US-09-142-524D-57

Query Match

75.7%; Score 78; DB 4; Length 15;

Best Local Similarity 100.0%; Pred. No. 2.4e-07;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFGPN 15

Db 1 KSMKVTVAFNQFGPN 15

RESULT 4

US-09-142-524D-158

; Sequence 158, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; FILE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; CURRENT APPLICATION NUMBER: US/09/142,524D

; PRIOR FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 158

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC_FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Figure 7, Row a

US-09-142-524D-158

Query Match

Best Local Similarity 75.7%; Score 78; DB 4; Length 15;

Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KSMKVTVAFNQFGPN 15

Db 1 KSMKVTVAFNQFGPN 15

RESULT 5

US-08-467-023-227

; Sequence 227, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 227:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-227

Query Match 75.7%; Score 78; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 3.1e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
Db 3 KSMKVTVAFNQFGPN 17

RESULT 6
US-08-467-023-236
Sequence 236, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 236:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-236

Query Match 75.7%; Score 78; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 3.1e-07;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
Db 3 KSMKVTVAFNQFGPN 17

RESULT 7
US-08-467-023-230
Sequence 230, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 230:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-230

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Query Match 75.7%; Score 78; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.3e-07; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY 1 KSMKVTVAFNQFGPN 15
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Db 4 KSMKVTVAFNQFGPN 18

RESULT 8
US-09-142-524D-58
; Sequence 58, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
US-09-142-524D-58

Query Match 73.8%; Score 76; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 5.4e-07; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 1;

QY 6 TVAFNQGFGNAGQRM 20
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Db 1 TVAFNQGFGNAGQRM 15

RESULT 9
US-08-467-023-121
; Sequence 121, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-121

Query Match 71.8%; Score 74; DB 3; Length 19;
Best Local Similarity 93.3%; Pred. No. 1.6e-06; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 1;

QY 1 KSMKVTVAFNQFGPN 15
   |||||
Db 3 KSMKATVAFNQFGPN 17

RESULT 10
US-08-467-023-122
; Sequence 122, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
```

REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 122:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-122

Query Match 71.8%; Score 74; DB 3; Length 19;
 Best Local Similarity 93.3%; Pred. No. 1.6e-06;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
 Db 3 KSMKVTVAFNQFGPN 17

RESULT 11

US-08-467-023-126
 Sequence 126, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeung, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 126:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-126

Query Match 68.0%; Score 70; DB 3; Length 19;
 Best Local Similarity 86.7%; Pred. No. 8.3e-06;
 Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
 Db 3 KSMKATAAFNQGPN 17

RESULT 12

US-08-467-023-257
 Sequence 257, Application US/08467023
 Patent No. 6090386
 GENERAL INFORMATION:
 APPLICANT: Griffith, Irwin J.;
 APPLICANT: Pollock, Joanne;
 APPLICANT: Bond, Julian F.;
 APPLICANT: Garman, Richard D;
 APPLICANT: Kuo, Mei-Chang;
 APPLICANT: Yeung, Siu-mei H.;
 APPLICANT: Brauer, Andrew;
 APPLICANT: Exley, Mark A.;
 APPLICANT: Powers, Steven P.
 TITLE OF INVENTION: Allergenic Proteins And Peptides From
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
 STREET: 610 Lincoln St
 CITY: Waltham
 STATE: MA
 COUNTRY: USA
 ZIP: 02154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/467,023
 FILING DATE: June 6, 1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/350,225
 FILING DATE: December 6, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Jane E. Remillard
 REGISTRATION NUMBER: 38,872
 REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 227-7400
 TELEFAX: (617) 227-5941
 INFORMATION FOR SEQ ID NO: 257:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-08-467-023-257

Query Match 67.0%; Score 69; DB 3; Length 17;
 Best Local Similarity 93.3%; Pred. No. 1.1e-05;
 Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFGPN 15
 Db 3 KSMKVTVAFNQFGNN 17

RESULT 13

US-08-467-023-235

; Sequence 235, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 235:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-235

Query Match 63.1%; Score 65; DB 3; Length 13;
Best Local Similarity 100.0%; Pred. No. 4.2e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFG 13
Db 1 KSMKVTVAFNQFG 13

RESULT 14
US-08-467-023-255
; Sequence 255, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 255:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-255

Query Match 63.1%; Score 65; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 5e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KSMKVTVAFNQFG 13
Db 2 KSMKVTVAFNQFG 14

RESULT 15
US-08-467-023-256
; Sequence 256, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 256:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-256

Query Match 63.1%; Score 65; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 5e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 KSMKVTVAFNQFG 13
Db 2 KSMKVTVAFNQFG 14

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Job time : 16.15 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-25

Perfect score: 109

Sequence: 1 QFGPNAGQMPRARYGLIHV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	72.5	15	14	US-10-354-240-59
2	74	67.9	15	14	US-10-354-240-60
3	53	48.6	15	14	US-10-354-240-61
4	51	46.8	15	14	US-10-354-240-58
5	35	32.1	19	14	US-10-225-567A-1106
6	33	30.3	10	9	US-09-834-765-397
7	33	30.3	20	14	US-10-147-447-16
8	33	30.3	20	14	US-10-300-072-23
9	33	30.3	20	15	US-10-456-949-16
10	33	30.3	20	15	US-10-456-947-45
11	33	30.3	20	16	US-10-718-495-23
					Sequence 59, Appl
					Sequence 60, Appl
					Sequence 61, Appl
					Sequence 58, Appl
					Sequence 1106, Ap
					Sequence 397, App
					Sequence 16, Appl
					Sequence 23, Appl
					Sequence 16, Appl
					Sequence 45, Appl
					Sequence 23, Appl

Query Match 72.5%; Score 79; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.3e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

12	33	30.3	20	16	US-10-717-984-23	Sequence 23, Appl
13	31	28.4	11	10	US-09-852-910-196	Sequence 196, App
14	31	28.4	11	15	US-10-411-336A-196	Sequence 196, App
15	31	28.4	18	17	US-10-245-141-4	Sequence 4, Appli
16	30	27.5	15	11	US-09-739-466C-21	Sequence 21, Appl
17	30	27.5	15	14	US-10-354-240-9	Sequence 9, Appli
18	30	27.5	15	14	US-10-354-240-57	Sequence 57, Appl
19	30	27.5	15	14	US-10-354-240-158	Sequence 158, App
20	30	27.5	18	14	US-10-057-789-202	Sequence 202, App
21	30	27.5	18	14	US-10-212-628-202	Sequence 202, App
22	30	27.5	20	15	US-10-319-315-47	Sequence 47, Appl
23	29	26.6	9	9	US-09-776-874A-8	Sequence 8, Appli
24	29	26.6	9	9	US-09-988-113-8	Sequence 8, Appli
25	29	26.6	9	14	US-10-341-582-8	Sequence 8, Appli
26	29	26.6	9	14	US-10-384-451-8	Sequence 8, Appli
27	29	26.6	9	14	US-10-384-450-8	Sequence 8, Appli
28	29	26.6	9	15	US-10-371-218A-8	Sequence 8, Appli
29	29	26.6	9	15	US-10-456-573-8	Sequence 8, Appli
30	29	26.6	9	16	US-10-785-116-8	Sequence 26, Appl
31	29	26.6	9	16	US-10-730-454-26	Sequence 32, Appl
32	29	26.6	9	16	US-10-730-454-32	Sequence 32, Appl
33	29	26.6	10	9	US-09-996-288-199	Sequence 199, App
34	29	26.6	10	10	US-09-572-404B-20	Sequence 20, Appl
35	29	26.6	10	10	US-09-996-265-199	Sequence 199, App
36	29	26.6	10	14	US-10-022-066-448	Sequence 448, App
37	29	26.6	10	15	US-10-461-863-199	Sequence 199, App
38	29	26.6	10	17	US-10-900-230-199	Sequence 199, App
39	29	26.6	15	16	US-10-487-886-11	Sequence 11, Appl
40	29	26.6	19	9	US-09-864-761-34455	Sequence 34455, A
41	28	25.7	7	17	US-10-808-187-572	Sequence 572, App
42	28	25.7	11	10	US-09-791-524-134	Sequence 134, App
43	28	25.7	11	15	US-10-404-679-60	Sequence 60, Appl
44	28	25.7	11	15	US-10-404-922-1	Sequence 1, Appli
45	28	25.7	12	8	US-08-424-550B-446	Sequence 446, App

ALIGNMENTS

RESULT 1

- US-10-354-240-59
- ; Sequence 59, Application US/10354240
- ; Publication No. US20030185847A1
- ; GENERAL INFORMATION:
- ; APPLICANT: Sone, Toshio
- ; APPLICANT: Kume, Akinori
- ; APPLICANT: Dairiki, Kazuo
- ; APPLICANT: Iwama, Akiko
- ; APPLICANT: Kino, Kohsuke
- ; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
- ; FILE REFERENCE: SPO-103D1
- ; CURRENT APPLICATION NUMBER: US/10/354,240
- ; CURRENT FILING DATE: 2003-01-29
- ; PRIOR APPLICATION NUMBER: PCT/JP97/00740
- ; PRIOR FILING DATE: 1997-03-10
- ; PRIOR APPLICATION NUMBER: US 09/142,524
- ; PRIOR FILING DATE: 1998-09-09
- ; NUMBER OF SEQ IDS NOS: 174
- ; SOFTWARE: Patentin version 3.1
- ; SEQ ID NO 59
- ; LENGTH: 15
- ; TYPE: PRT
- ; ORGANISM: Cryptomeria japonica
- ; FEATURE:
- ; NAME/KEY: MISC FEATURE
- ; LOCATION: (1)..(15)
- ; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 45
- US-10-354-240-59

```
Qy 1 QFGPNAGQRMPPARY 15
    ||||| ||||| |||||
Db 1 QFGPNCQGMPPARY 15
    ||||| ||||| |||||

RESULT 2
US-10-354-240-60
; Sequence 60, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 46
US-10-354-240-60

Query Match 67.9%; Score 74; DB 14; Length 15;
Best Local Similarity 92.9%; Pred. No. 8.1e-05;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 QGMPARYGLIHV 20
    ||||| ||||| |||||
Db 2 QGMPARYGLVHV 15
    ||||| ||||| |||||

RESULT 3
US-10-354-240-61
; Sequence 61, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 47
US-10-354-240-61
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Query Match 48.6%; Score 53; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.19;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PRARYGLIHV 20
    ||||| ||||| |||||
Db 1 PRARYGLVHV 10
    ||||| ||||| |||||

RESULT 4
US-10-354-240-58
; Sequence 58, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 58
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
US-10-354-240-58

Query Match 46.8%; Score 51; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.4;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QFGPNAGQRM 10
    ||||| ||||| |||||
Db 6 QFGPNCQGM 15
    ||||| ||||| |||||

RESULT 5
US-10-225-567A-1106
; Sequence 1106, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1106
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-1106

Query Match 32.1%; Score 35; DB 14; Length 19;
```

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Best Local Similarity 50.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
Db 8 PGSGQQLPRS 17

RESULT 6
US-09-834-765-397
; Sequence 397, Application US/09834765
; Patent No. US20020055478A1
; GENERAL INFORMATION:
; APPLICANT: Mary Faris
; APPLICANT: Pia M. Challita-Eid
; APPLICANT: Arthur B. Raitano
; APPLICANT: Steve Chappell Mitchell
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Aya Jakobovics
; TITLE OF INVENTION: GTP-BINDING PROTEIN USEFUL IN TREATMENT
; TITLE OF INVENTION: AND DETECTION OF CANCER
; FILE REFERENCE: 129.6USU1
; CURRENT APPLICATION NUMBER: US/09/834,765
; CURRENT FILING DATE: 2001-09-21
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 770
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 397
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-834-765-397

Query Match 30.3%; Score 33; DB 9; Length 10;
Best Local Similarity 60.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 3 GPNAGQRMPPRA 12
Db 1 GPPGGSRRWR 10

RESULT 7
US-10-147-447-16
; Sequence 16, Application US/10147447
; Publication No. US20030060410A1
; GENERAL INFORMATION:
; APPLICANT: Tracey, Kevin J.
; APPLICANT: Yang, Huan
; APPLICANT: Warren Jr., Howland Shaw
; APPLICANT: Fink, Mitchell P.
; TITLE OF INVENTION: Use of HMG Fragments as
; TITLE OF INVENTION: Anti-Inflammatory Agents
; FILE REFERENCE: 3268.1001-001
; CURRENT APPLICATION NUMBER: US/10/147,447
; CURRENT FILING DATE: 2002-08-16
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-147-447-16

Query Match 30.3%; Score 33; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
Db 4 PNAPKRLPSA 13

RESULT 8
US-10-300-072-23
; Sequence 23, Application US/10300072
; Publication No. US20030144201A1
; GENERAL INFORMATION:
; APPLICANT: Kevin J. Tracey
; APPLICANT: Huan Yang
; APPLICANT: Howland Shaw Warren, Jr.
; APPLICANT: Mitchell P. Fink
; TITLE OF INVENTION: USE OF HMG FRAGMENTS AS ANTI-FLAMMATORY
; TITLE OF INVENTION: AGENTS
; FILE REFERENCE: 3268.1001-005
; CURRENT APPLICATION NUMBER: US/10/300,072
; CURRENT FILING DATE: 2002-11-20
; PRIOR FILING DATE: 2002-05-15
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-300-072-23

Query Match 30.3%; Score 33; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
Db 4 PNAPKRLPSA 13

RESULT 9
US-10-456-949-16
; Sequence 16, Application US/10456949
; Publication No. US20040005316A1
; GENERAL INFORMATION:
; APPLICANT: Kevin J. Tracey
; APPLICANT: Huan Yang
; TITLE OF INVENTION: USE OF HMG FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3268.1001-006
; CURRENT APPLICATION NUMBER: US/10/456,949
; CURRENT FILING DATE: 2003-06-06
; PRIOR FILING DATE: 2002-05-15
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-456-949-16

Query Match 30.3%; Score 33; DB 15; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
Db 4 PNAPKRLPSA 13

RESULT 10
US-10-456-947-45
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; Sequence 45, Application US/10456947
; Publication No. US20040053841A1
; GENERAL INFORMATION:
; APPLICANT: Kevin J. Tracey
; APPLICANT: Huan Yang
; TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN
; TITLE OF INVENTION: HMGB POLYPEPTIDES AND TOLL-LIKE RECEPTOR 2 AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3268.1001-007
; CURRENT APPLICATION NUMBER: US/10/456,947
; CURRENT FILING DATE: 2003-06-06
; PRIOR APPLICATION NUMBER: 10/147,447
; PRIOR FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: 60/291,034
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-456-947-45

Query Match 30.3%; Score 33; DB 15; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
|||:|:|
DB 4 PNAPKRLPSA 13

RESULT 11

; Sequence 23, Application US/10718495
; Publication No. US20040141948A1
; GENERAL INFORMATION:
; APPLICANT: O'Keefe, Theresa L.
; TITLE OF INVENTION: USE OF HMGB FRAGMENTS AS
; TITLE OF INVENTION: ANTI-INFLAMMATORY AGENTS
; FILE REFERENCE: 3258.1009-001
; CURRENT APPLICATION NUMBER: US/10/718,495
; CURRENT FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: 60/427,841
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-718-495-23

Query Match 30.3%; Score 33; DB 16; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
|||:|:|
DB 4 PNAPKRLPSA 13

RESULT 12

; Sequence 23, Application US/10717984
; Publication No. US20040156851A1
; GENERAL INFORMATION:
; APPLICANT: Newman, Walter
; TITLE OF INVENTION: HMGB1 COMBINATION THERAPIES
; FILE REFERENCE: 3258.1008-001
; CURRENT APPLICATION NUMBER: US/10/717,984
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,846

; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-717-984-23

Query Match 30.3%; Score 33; DB 16; Length 20;
Best Local Similarity 60.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 4 PNAGQRMPPRA 13
|||:|:|
DB 4 PNAPKRLPSA 13

RESULT 13

; Sequence 196, Application US/09852910
; Publication No. US20030096297A1
; GENERAL INFORMATION:
; APPLICANT: Hamm, Heidi
; APPLICANT: Gilchrist, Annette
; TITLE OF INVENTION: Method For Identifying Inhibitors of G Protein Coupled Receptor S
; FILE REFERENCE: 2661-101
; CURRENT APPLICATION NUMBER: US/09/852,910
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US 60/275,472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 196
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(11)
; OTHER INFORMATION: Gs library peptide
US-09-852-910-196

Query Match 28.4%; Score 31; DB 10; Length 11;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 8 QRMPPRYGLI 18
|||:|:|
DB 1 QRMPLRQYELL 11

RESULT 14

; Sequence 196, Application US/10411336A
; Publication No. US20040018558A1
; GENERAL INFORMATION:
; APPLICANT: GILCHRIST, ANNETTE
; APPLICANT: HAMM, HEIDI
; TITLE OF INVENTION: METHOD FOR IDENTIFYING MODULATORS OF G PROTEIN COUPLED RECEPTOR
; TITLE OF INVENTION: SIGNALING
; FILE REFERENCE: 2661-102
; CURRENT APPLICATION NUMBER: US/10/411,336A
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: US 09/852910
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/275472
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 273
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 196
; LENGTH: 11
; TYPE: PRT

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Gs library peptide
US-10-411-336A-196

Query Match      28.4%; Score 31; DB 15; Length 11;
Best Local Similarity 54.5%; Pred. No. 4.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      8 QRMPPARYGLI 18
      |||| :||:
Db      1 QRMPLRQYELL 11

RESULT 15
US-10-245-141-4
; Sequence 4, Application US/10245141
; Publication No. US20050106755A1
; GENERAL INFORMATION:
; APPLICANT: Zahradnik, Richard J.
; APPLICANT: Lavigne, Jeffrey
; APPLICANT: Jueppner, Harald
; TITLE OF INVENTION: Immunoassays, Assay Methods, Antibodies and Method of Creating
; TITLE OF INVENTION: Antibodies for Detecting FGF-23
; FILE REFERENCE: IMUNE-002A
; CURRENT APPLICATION NUMBER: US/10/245,141
; CURRENT FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Human FGF-23 residues 25-42
US-10-245-141-4

Query Match      28.4%; Score 31; DB 17; Length 18;
Best Local Similarity 41.2%; Pred. No. 7.8e+02;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY      4 PNAGQRMPPARYGLIHV 20
      |||| :|||:
Db      2 PNASPLLGSSWGLIHL 18

Search completed: June 20, 2005, 15:55:17
Job time : 53.45 secs
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
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Title: US-09-202-464-25

Perfect score: 109

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Searched: 513545 seqs, 74649064 residues

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Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	104	95.4	20	3	US-08-467-023-48
2	79	72.5	15	4	US-09-142-524D-59
3	74	67.9	15	4	US-09-142-524D-60
4	53	48.6	15	4	US-09-142-524D-61
5	53	48.6	20	3	US-08-467-023-49
6	51	46.8	15	4	US-09-142-524D-58
7	51	46.8	20	3	US-08-467-023-47
8	46	42.2	19	3	US-08-467-023-258
9	32	29.4	20	3	US-08-075-541D-5
10	31.5	28.9	20	1	US-08-614-935-10
11	31.5	28.9	20	3	US-09-130-287-10
12	30	27.5	10	1	US-08-343-943-8
13	30	27.5	12	4	US-09-509-593-5
14	30	27.5	14	5	PCT-US93-06751-64
15	30	27.5	15	4	US-09-142-524D-9
16	30	27.5	15	4	US-09-142-524D-57
17	30	27.5	15	4	US-09-142-524D-158
18	30	27.5	19	3	US-08-467-023-121
19	30	27.5	19	3	US-08-467-023-122
20	30	27.5	19	3	US-08-467-023-126
21	30	27.5	19	3	US-08-467-023-227
22	30	27.5	19	3	US-08-467-023-236
23	30	27.5	20	3	US-08-467-023-230
24	29	26.6	9	2	US-08-922-170B-8
25	29	26.6	9	4	US-09-435-739-8
26	29	26.6	9	4	US-09-417-608A-26
27	29	26.6	9	4	US-09-417-608A-32

ALIGNMENTS

RESULT 1

US-08-467-023-48

; Sequence 48, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffeth, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,023

; FILING DATE: June 6, 1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/350,225

; FILING DATE: December 6, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Jane E. Remillard

; REGISTRATION NUMBER: 38,872

; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 227-7400

; TELEFAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 48:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 20 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

Sequence 8, Appli
Sequence 1, Appli
Sequence 21, Appl
Sequence 199, App
Sequence 19, Appl
Sequence 25, Appl
Sequence 9, Appl
Sequence 15, Appl
Sequence 8, Appl
Sequence 446, App
Sequence 446, App
Sequence 446, App
Sequence 446, App
Sequence 24, Appl
Sequence 29, Appl
Patent No. 5194425
Patent No. 5194425
Sequence 98, Appl

11

; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-49

Query Match 48.6%; Score 53; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.033;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 11 PRARYGLIHV 20
Db 1 PRARYGLVHV 10

RESULT 6
US-09-142-524D-58
Sequence 58, Application US/09142524D
Patent No. 6719376
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinoori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 58
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 44
US-09-142-524D-58

Query Match 46.8%; Score 51; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.051;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QFGFNAGQRM 10
Db 6 QFGFNCQGM 15

RESULT 7
US-08-467-023-47
Sequence 47, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TELECOMMUNICATION INFORMATION:
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-47

Query Match 46.8%; Score 51; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.07;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QFGFNAGQRM 10
Db 11 QFGFNCQGM 20

RESULT 8
US-08-467-023-258
Sequence 258, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;

```
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 258:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-258

Query Match 42.2%; Score 46; DB 3; Length 19;
Best Local Similarity 88.9%; Pred. No. 0.45;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 12 RARYGLIHV 20
Db 1 RARYGLVHV 9

RESULT 9
US-08-075-541D-5
; Sequence 5, Application US/08075541D
; Patent No. 6183745
; GENERAL INFORMATION:
; APPLICANT: TINDLE, ROBERT
; APPLICANT: FRAZER, IAN
; TITLE OF INVENTION: SUBUNIT PAPILLOMA VIRUS VACCINE AND
; TITLE OF INVENTION: PEPTIDES FOR USE THEREIN
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PANITCH SCHWARZ JACOBS & NADEL, P.C.
; STREET: 1601 MARKET STREET, 36TH FLOOR
; CITY: PHILADELPHIA
; STATE: PENNSYLVANIA
; COUNTRY: USA
; ZIP: 19103-2398
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/075,541D
; FILING DATE: 10-JUN-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU pk 3876
; FILING DATE: 12-DEC-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: pct/au91/00575
; FILING DATE: 12-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: NADEL, ALAN S
; REGISTRATION NUMBER: 27,363
; REFERENCE/DOCKET NUMBER: 8795-4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-567-2020
; TELEFAX: 215-567-2991
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-075-541D-5

Query Match 29.4%; Score 32; DB 3; Length 20;
Best Local Similarity 52.9%; Pred. No. 1e+02;
Matches 9; Conservative 2; Mismatches 4; Indels 2; Gaps 2;

QY 3 GPNAGQRMPP-RARYGLI 18
Db 4 GP-AQQAEPDRAHYNIV 19

RESULT 10
US-08-614-935-10
; Sequence 10, Application US/08614935
; Patent No. 5804201
; GENERAL INFORMATION:
; APPLICANT: King, Te P.
; TITLE OF INVENTION: IMMUNOMODULATORY PEPTIDES OF VESPID
; TITLE OF INVENTION: ANTIGEN 5
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/614,935
; FILING DATE: 11-MAR-1996
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-156
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
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TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-614-935-10

Query Match 28.9%; Score 31.5; DB 1; Length 20;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 4 PNCGRMPARYGL 17
Db 4 PNCGRNVVKA-YGL 16

RESULT 11
US-09-130-287-10
; Sequence 10, Application US/09130287
; Patent No. 6106844
; GENERAL INFORMATION:
; APPLICANT: King, Te P.
; TITLE OF INVENTION: IMMUNOMODULATORY PEPTIDES OF VESPID
; NUMBER OF SEQUENCES: 81
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; CITY: Floor
; STREET: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/130,287
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/614,935
; FILING DATE: 11-MAR-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-156 DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1694
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-09-130-287-10

Query Match 28.9%; Score 31.5; DB 3; Length 20;
Best Local Similarity 50.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 3; Mismatches 3; Indels 1; Gaps 1;

Qy 4 PNCGRMPARYGL 17
Db 4 PNCGRNVVKA-YGL 16

RESULT 12
US-08-343-943-8
; Sequence 8, Application US/08343943
; Patent No. 5585248
; GENERAL INFORMATION:
; APPLICANT: ASHIDA, MASAOKI
; APPLICANT: KAWABATA, TOMOHISA
; APPLICANT: HIRAYASU, KAZUNARI
; APPLICANT: TSUCHIYA, MASAKAKU
; TITLE OF INVENTION: METHOD FOR ASSAYING ACTIVITY OF
; TITLE OF INVENTION: PROPHENOXIDASE ACTIVATING ENZYME AND APPLICATION
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037-3202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/343,943
; FILING DATE: 17-NOV-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 289513
; FILING DATE: 18-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: Q36816
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-293-7060
; TELEFAX: 202-293-7860
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acids
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-08-343-943-8

Query Match 27.5%; Score 30; DB 1; Length 10;
Best Local Similarity 50.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 2 FGNAGQRMIP 11
Db 1 FGSDAGRMIP 10

RESULT 13
US-09-509-593-5
; Sequence 5, Application US/09509593
; Patent No. 6572860
; GENERAL INFORMATION:
; APPLICANT: DANIEL H. ZIMMERMAN, ET AL.
; TITLE OF INVENTION: CONJUGATED POLYPEPTIDES FOR TREATING HERPES
; TITLE OF INVENTION: SIMPLEX VIRUS, COMPOSITIONS AND VACCINES CONTAINING SAME AND U
; TITLE OF INVENTION: THEREOF FOR TREATMENT OR PREVENTION OF HERPES SIMPLEX VIRUS AN
; TITLE OF INVENTION: DIAGNOSTIC TOOL AND IN DIAGNOSTIC KIT

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-26

Perfect score: 115

Sequence: 1 PRARYGLIHVANNYDPWSI 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
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- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	82	71.3	15	14	US-10-354-240-61
3	58	50.4	15	14	US-10-354-240-63
4	53	46.1	15	14	US-10-354-240-60
5	37	32.2	16	14	US-10-012-542-515
6	37	32.2	16	14	US-10-115-123-515
7	35	30.4	13	14	US-10-300-694A-69
8	33	28.7	11	15	US-10-468-543-7
9	33	28.7	11	15	US-10-468-543-25
10	33	28.7	14	16	US-10-813-638-1274
11	33	28.7	19	9	US-09-864-761-34455

12	33	28.7	20	15	US-10-269-695-89	Sequence 89, Appl
13	33	28.7	20	15	US-10-410-998-89	Sequence 89, Appl
14	32	27.8	17	14	US-10-100-608B-5	Sequence 5, Appl
15	32	27.8	17	14	US-10-100-608B-8	Sequence 5, Appl
16	32	27.8	17	16	US-10-099-791E-5	Sequence 8, Appl
17	32	27.8	17	16	US-10-099-791E-8	Sequence 8, Appl
18	32	27.8	19	16	US-10-474-213-12	Sequence 12, Appl
19	31	27.0	12	16	US-10-652-407-44	Sequence 44, Appl
20	31	27.0	14	17	US-10-661-156-85	Sequence 85, Appl
21	30	26.1	8	13	US-10-114-176-23	Sequence 23, Appl
22	30	26.1	8	14	US-10-323-013-23	Sequence 23, Appl
23	30	26.1	9	13	US-10-114-176-29	Sequence 29, Appl
24	30	26.1	9	14	US-10-169-351-14	Sequence 14, Appl
25	30	26.1	9	14	US-10-323-013-29	Sequence 29, Appl
26	30	26.1	9	15	US-10-447-257-16	Sequence 16, Appl
27	30	26.1	9	18	US-10-496-628-16	Sequence 16, Appl
28	30	26.1	14	10	US-09-966-782A-48	Sequence 48, Appl
29	30	26.1	14	14	US-10-254-905-48	Sequence 48, Appl
30	30	26.1	16	10	US-09-972-656-4	Sequence 4, Appl
31	30	26.1	16	16	US-10-657-006-4	Sequence 4, Appl
32	30	26.1	20	15	US-10-269-695-81	Sequence 81, Appl
33	30	26.1	20	15	US-10-269-695-112	Sequence 112, App
34	30	26.1	20	15	US-10-410-998-81	Sequence 81, Appl
35	30	26.1	20	15	US-10-410-998-112	Sequence 112, App
36	29.5	25.7	20	14	US-10-243-740-3	Sequence 3, Appl
37	29.5	25.7	20	14	US-10-243-740-6	Sequence 6, Appl
38	29	25.2	7	16	US-10-347-145B-102	Sequence 102, App
39	29	25.2	7	16	US-10-347-145B-138	Sequence 138, App
40	29	25.2	9	13	US-10-114-176-31	Sequence 31, Appl
41	29	25.2	9	14	US-10-032-221B-57	Sequence 57, Appl
42	29	25.2	9	14	US-10-323-013-31	Sequence 31, Appl
43	29	25.2	9	17	US-10-985-584-13	Sequence 13, Appl
44	29	25.2	10	9	US-09-848-967-13	Sequence 13, Appl
45	29	25.2	11	13	US-10-114-176-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-62
; Sequence 62, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Some, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48
US-10-354-240-62

Query Match 72.2%; Score 83; DB 14; Length 15;
Best Local Similarity 86.7%; Pred. No. 1.2e-05;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY      6 GLIHVANNYDPWSI 20
      ||:|||||:|
Db      1 GLVHVANNYDPWTI 15

RESULT 2
US-10-354-240-61
; Sequence 61, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 47
US-10-354-240-61

Query Match      71.3%; Score 82; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.8e-05;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PRARYGLIHVANNY 15
      |||||||:|
Db      1 PRARYGLVHVANNY 15

RESULT 3
US-10-354-240-63
; Sequence 63, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49
US-10-354-240-63
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Query Match      50.4%; Score 58; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.079;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 ANNNYDPWSI 20
      |||||||:|
Db      1 ANNNYDPWTI 10

RESULT 4
US-10-354-240-60
; Sequence 60, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 46
US-10-354-240-60

Query Match      46.1%; Score 53; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.46;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PRARYGLIHV 10
      |||||||:|
Db      6 PRARYGLVHV 15

RESULT 5
US-10-012-542-515
; Sequence 515, Application US/10012542
; Publication No. US20030044851A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P2029P1
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
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; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 515
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-515

Query Match 32.2%; Score 37; DB 14; Length 16;
Best Local Similarity 55.6%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 ANNYDPWS 19
: |||||
Db 5 SGNLDPWA 13

RESULT 6

US-10-115-123-515
; Sequence 515, Application US/10115123
; Publication No. US20030065151A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: P202930AP1D2
; CURRENT APPLICATION NUMBER: US/10/115,123
; CURRENT FILING DATE: 2002-04-04
; PRIOR APPLICATION NUMBER: PCT/US99/13418
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 515
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-115-123-515

Query Match 32.2%; Score 37; DB 14; Length 16;
Best Local Similarity 55.6%; Pred. No. 1.3e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 ANNYDPWS 19
: |||||
Db 5 SGNLDPWA 13

RESULT 7

US-10-300-694A-69
; Sequence 69, Application US/10300694A
; Publication No. US20030185870A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Grinstaff, Mark W.
; APPLICANT: Kenan, Daniel J.
; APPLICANT: Walsh, Elisabeth B.
; APPLICANT: Middleton, Cystvan
; TITLE OF INVENTION: INTERFACIAL BIOMATERIALS
; FILE REFERENCE: 180/143/2
; CURRENT APPLICATION NUMBER: US/10/300,694A
; CURRENT FILING DATE: 2003-05-07
; PRIOR APPLICATION NUMBER: US 60/331,843

; PRIOR FILING DATE: 2001-11-20
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 69
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Polycarbonate-binding peptide 69
US-10-300-694A-69

Query Match 30.4%; Score 35; DB 14; Length 13;
Best Local Similarity 71.4%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 12 NNNYDPW 18
: |||||
Db 3 NVNYPW 9

RESULT 8

US-10-468-543-7
; Sequence 7, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION:
; APPLICANT: Irimura, Tatsuhiro
; APPLICANT: Matsumoto, Mariko
; APPLICANT: Yim, Mijung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Maackia amurensis
US-10-468-543-7

Query Match 28.7%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 13 NNYDPW 18
: |||||
Db 6 HSYDPW 11

RESULT 9

US-10-468-543-25
; Sequence 25, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION:
; APPLICANT: Irimura, Tatsuhiro
; APPLICANT: Matsumoto, Mariko
; APPLICANT: Yim, Mijung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Maackia amurensis

US-10-468-543-25

Query Match 28.7%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 13 NNYDPW 18
:|||||
Db 6 HSYDPW 11

RESULT 10

US-10-813-638-1274
; Sequence 1274, Application US/10813638
; Publication No. US20040235026A1
; GENERAL INFORMATION:
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Leach, Martin D.
; TITLE OF INVENTION: NUCLEIC ACIDS CONTAINING SINGLE NUCLEIC ACID POLYMORPHISMS AND ME
; TITLE OF INVENTION: USE THEREOF
; FILE REFERENCE: 15966-599
; CURRENT APPLICATION NUMBER: US/10/813,638
; CURRENT FILING DATE: 2004-03-29
; PRIOR APPLICATION NUMBER: 60/163,783
; PRIOR FILING DATE: 1999-11-24
; NUMBER OF SEQ ID NOS: 1468
; SOFTWARE: CuraGen Patent Formatter Version 0.9
; SEQ ID NO 1274
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(0)
; OTHER INFORMATION: cSNP translation
US-10-813-638-1274

Query Match 28.7%; Score 33; DB 16; Length 14;
Best Local Similarity 57.1%; Pred. No. 4.7e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 14 NYDPWS1 20
:|||||
Db 6 SYNPSL 12

RESULT 11

US-09-864-761-34455
; Sequence 34455, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecmica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34455
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007275.3
; OTHER INFORMATION: EXPRESSED IN HELL100, SIGNAL = 3.8
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.7
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 21
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.5
US-09-864-761-34455

Query Match 28.7%; Score 33; DB 9; Length 19;
Best Local Similarity 40.0%; Pred. No. 6.5e+02;
Matches 4; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 2 RARYGLIHVA 11
:|||||
Db 3 KENYGILHIA 12

RESULT 12

US-10-269-695-89
; Sequence 89, Application US/10269695
; Publication No. US20030229023A1
; GENERAL INFORMATION:
; APPLICANT: OLINER, JONATHAN DANIEL
; APPLICANT: MIN, HOSUNG
; TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2
; FILE REFERENCE: A-801A
; CURRENT APPLICATION NUMBER: US/10/269,695
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/414,155
; PRIOR FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: US 60/328,624
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 359
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 89
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Polypeptide capable of binding to Ang-2
US-10-269-695-89

Query Match 28.7%; Score 33; DB 15; Length 20;
Best Local Similarity 66.7%; Pred. No. 6.8e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 14 NYDPWS 19
Db 8 NWDPWT 13

RESULT 13
US-10-410-998-89
Sequence 89, Application US/10410998
Publication No. US20030236193A1
GENERAL INFORMATION:
APPLICANT: OLINER, JONATHAN DANIEL
APPLICANT: MIN, HOSUNG
TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOPOIETIN-2
FILE REFERENCE: A-801A
CURRENT APPLICATION NUMBER: US/10/410,998
CURRENT FILING DATE: 2003-04-09
PRIOR APPLICATION NUMBER: US/10/269,695
PRIOR FILING DATE: 2002-10-10
PRIOR APPLICATION NUMBER: US 60/414,155
PRIOR FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: US 60/328,624
PRIOR FILING DATE: 2001-10-11
NUMBER OF SEQ ID NOS: 359
SOFTWARE: PatentIn version 3.1
SEQ ID NO 89
LENGTH: 20
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Polypeptide capable of binding to Ang-2
US-10-410-998-89

Query Match 28.7%; Score 33; DB 15; Length 20;
Best Local Similarity 66.7%; Pred. No. 6.8e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 14 NYDPWS 19
Db 8 NWDPWT 13

RESULT 14
US-10-100-608B-5
Sequence 5, Application US/10100608B
Publication No. US20030104412A1
GENERAL INFORMATION:
APPLICANT: Heiskala, Marja
TITLE OF INVENTION: REG-LIKE PROTEIN
FILE REFERENCE: CDS-261
CURRENT APPLICATION NUMBER: US/10/100,608B
CURRENT FILING DATE: 2002-09-10
PRIOR APPLICATION NUMBER: 60/276,414
PRIOR FILING DATE: 2002-03-16
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 17
TYPE: PRT
ORGANISM: Human
US-10-100-608B-5

Query Match 27.8%; Score 32; DB 14; Length 17;
Best Local Similarity 55.6%; Pred. No. 8.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 ANNNYDPWS 19
Db 6 SNNNFLTWS 14

RESULT 15
US-10-100-608B-8
Sequence 8, Application US/10100608B
Publication No. US20030104412A1
GENERAL INFORMATION:
APPLICANT: Heiskala, Marja
TITLE OF INVENTION: REG-LIKE PROTEIN
FILE REFERENCE: CDS-261
CURRENT APPLICATION NUMBER: US/10/100,608B
CURRENT FILING DATE: 2002-09-10
PRIOR APPLICATION NUMBER: 60/276,414
PRIOR FILING DATE: 2002-03-16
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 17
TYPE: PRT
ORGANISM: Human
US-10-100-608B-8

Query Match 27.8%; Score 32; DB 14; Length 17;
Best Local Similarity 55.6%; Pred. No. 8.2e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 11 ANNNYDPWS 19
Db 6 SNNNFLTWS 14

Search completed: June 20, 2005, 15:55:18
Job time : 54.45 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-26
Perfect score: 115
Sequence: 1 PRARYGLIHVANNYDPWSI 20

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Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	111	96.5	20	3	US-08-467-023-49
2	104	90.4	19	3	US-08-467-023-258
3	83	72.2	15	4	US-09-142-524D-62
4	82	71.3	15	4	US-09-142-524D-61
5	58	50.4	15	4	US-09-142-524D-63
6	58	50.4	20	3	US-08-467-023-50
7	53	46.1	15	4	US-09-142-524D-60
8	53	46.1	20	3	US-08-467-023-48
9	50	43.5	17	1	US-08-290-448A-55
10	50	43.5	17	1	US-08-290-448A-55
11	50	43.5	17	1	US-08-175-069A-55
12	50	43.5	17	3	US-08-461-939B-55
13	50	43.5	17	3	US-08-464-000-55
14	40.5	35.2	15	1	US-08-290-448A-28
15	40.5	35.2	15	1	US-08-290-448A-28
16	40.5	35.2	15	1	US-08-175-069A-28
17	40.5	35.2	15	3	US-08-461-939B-28
18	40.5	35.2	15	3	US-08-464-000-28
19	37	32.2	16	4	US-09-461-325-515
20	37	32.2	16	4	US-09-012-542-515
21	37	32.2	16	4	US-10-115-123-515
22	34	29.6	17	3	US-09-025-769B-207
23	34	29.6	17	4	US-09-490-070A-207
24	34	29.6	17	4	US-09-490-153-207
25	34	29.6	17	4	US-09-490-324-207
26	31.5	27.4	12	3	US-09-025-769B-180
27	31.5	27.4	12	4	US-09-490-070A-180

Sequence 180, App
Sequence 180, App
Sequence 23, Appl
Sequence 23, Appl
Sequence 29, Appl
Sequence 29, Appl
Sequence 9, Appl
Sequence 22, Appl
Sequence 3, Appl
Sequence 6, Appl
Sequence 31, Appl
Sequence 31, Appl
Sequence 32, Appl
Sequence 56, Appl
Sequence 19, Appl
Sequence 25, Appl
Sequence 107, App

ALIGNMENTS

RESULT 1
US-08-467-023-49
; Sequence 49, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffoeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-49

Query Match 96.5%; Score 111; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 1.5e-10;
Matches 18; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PRARYGLHVANNNDPWSI 20
Db 1 PRARYGLHVANNNDPWTI 20

RESULT 2

US-08-467-023-258
; Sequence 258 Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 258:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-258

Query Match 90.4%; Score 104; DB 3; Length 19;
Best Local Similarity 89.5%; Pred. No. 1.7e-09;
Matches 17; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 2 RARYGLHVANNNDPWSI 20
Db 1 RARYGLHVANNNDPWTI 19

RESULT 3

US-09-142-524D-62

; Sequence 62 Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 62
; LENGTH: 15
; TYPE: PPT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48

US-09-142-524D-62

Query Match 72.2%; Score 83; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 2.2e-06;
Matches 13; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GLIHVANNNDPWSI 20
Db 1 GLHVANNNDPWTI 15

RESULT 4

US-09-142-524D-61
; Sequence 61 Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akimori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 61
; LENGTH: 15
; TYPE: PPT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 47
US-09-142-524D-61

Query Match 71.3%; Score 82; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 3.2e-06;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PRARYGLHVANNY 15
Db 1 PRARYGLHVANNY 15

```

RESULT 5
US-09-142-524D-63
; Sequence 63, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49
US-09-142-524D-63

Query Match          50.4%; Score 58; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.016;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 ANNYDPWSI 20
DB      1 ANNYDPWTI 10
|||||||:|

RESULT 6
US-08-467-023-50
; Sequence 50, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; CURRENT APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
  
```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-50

Query Match          50.4%; Score 58; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.022;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      11 ANNYDPWSI 20
DB      1 ANNYDPWTI 10
|||||||:|

RESULT 7
US-09-142-524D-60
; Sequence 60, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 60
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 46
US-09-142-524D-60

Query Match          46.1%; Score 53; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.093;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PRARYGLJHV 10
DB      6 PRARYGLVHV 15
|||||||:|

RESULT 8
US-08-467-023-48
; Sequence 48, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
  
```

```

; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-48

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Query Match 46.1%; Score 53; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.13;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 PRARYGLIHV 10
Db 11 PRARYGLVHV 20

RESULT 9
US-08-290-448A-55
; Sequence 55, Application US/08290448A
; Patent No. 5676954
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,448A
; FILING DATE: August 15, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-290-448A-55

Query Match 43.5%; Score 50; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 0.31;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 6 GLIHVANNNDPW 18
Db 1 GFFQVNNNDYDRW 13

RESULT 10
US-08-290-448A-55
; Sequence 55, Application US/08290448A
; Patent No. 5698204
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,448A
; FILING DATE: August 15, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:

```

LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-290-448A-55

Query Match 43.5%; Score 50; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 0.31;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 6 GLIHVANNYDPW 18
Db 1 GFFQVNNYDRW 13

RESULT 11

US-08-175-069A-55
Sequence 55, Application US/08175069A

Patent No. 5776761
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/175,069A
FILING DATE: December 29, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018DV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-175-069A-55

Query Match 43.5%; Score 50; DB 1; Length 17;
Best Local Similarity 61.5%; Pred. No. 0.31;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 6 GLIHVANNYDPW 18
Db 1 GFFQVNNYDRW 13

RESULT 12

US-08-461-939B-55
Sequence 55, Application US/08461939B

Patent No. 6335019
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Methods For Treating Sensitivity To A
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,939B
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/464,000
FILING DATE: 05-JUN-1995
APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CNDV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-461-939B-55

Query Match 43.5%; Score 50; DB 3; Length 17;
Best Local Similarity 61.5%; Pred. No. 0.31;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 6 GLIHVANNYDPW 18
Db 1 GFFQVNNYDRW 13

RESULT 13

US-08-464-000-55
Sequence 55, Application US/08464000

Patent No. 6335020
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP

;; STREET: 60 State Street
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: USA
;; ZIP: 02109-1875
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/464,000
;; FILING DATE: 05-JUN-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/290,448
;; FILING DATE: 15-AUG-1994
;; APPLICATION NUMBER: US 07/529,951
;; FILING DATE: 29-MAY-1990
;; APPLICATION NUMBER: US 07/325,365
;; FILING DATE: 17-MAR-1989
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amy E. Mandragouras
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: IMI-018CN2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)227-5941
;; INFORMATION FOR SEQ ID NO: 55:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 17 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
US-08-464-000-55

Query Match 43.5%; Score 50; DB 3; Length 17;
Best Local Similarity 61.5%; Pred. No. 0.31; Mismatches 5; Indels 0; Gaps 0;
Matches 8; Conservative 0;

QY 6 GLIHVANNYDPW 18
Db 1 GFFQVNNYDRM 13

RESULT 14
US-08-290-448A-28
; Sequence 28, Application US/08290448A
; Patent No. 5676954
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,448A
; FILING DATE: August 15, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

;; FILING DATE: May 29, 1990
;; APPLICATION NUMBER: US 07/325,365
;; FILING DATE: March 17, 1989
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Amy E. Mandragouras
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: IMI-018CN
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)227-5941
;; INFORMATION FOR SEQ ID NO: 28:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 15 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: internal
US-08-290-448A-28

Query Match 35.2%; Score 40.5; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. No. 7.8; Mismatches 5; Indels 1; Gaps 1;
Matches 8; Conservative 2;

QY 1 PRARYGLIHVANNYD 16
Db 1 PR-RGPFQIVNIFYD 15

RESULT 15
US-08-290-448A-28
; Sequence 28, Application US/08290448A
; Patent No. 5698204
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,448A
; FILING DATE: August 15, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-290-448A-28

Query Match 35.2%; Score 40.5; DB 1; Length 15;
Best Local Similarity 50.0%; Pred. NO. 7.8;
Matches 8; Conservative 2; Mismatches 5; Indels 1; Gaps 1;

QY 1 PRARYGLIHVANNYYD 16
| | | | : | | |
Db 1 PR-RFGFFQIVNFD 15

Search completed: June 20, 2005, 14:22:22
Job time : 16.15 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-27

Perfect score: 114

Sequence: 1 ANNNYDPSIYAIGGSNPT 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	85	74.6	15	14	US-10-354-240-63
2	82	71.9	15	14	US-10-354-240-64
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4	53	46.5	15	14	US-10-354-240-65
5	38	33.3	16	15	US-10-346-162-100
6	37	32.5	15	17	US-10-794-514A-65
7	37	32.5	16	14	US-10-012-542-515
8	37	32.5	16	14	US-10-115-123-515
9	35	30.7	13	14	US-10-300-694A-69
10	35	30.7	15	15	US-10-346-162-142
11	35	30.7	15	17	US-10-656-250-101
					Sequence 63, Appl
					Sequence 64, Appl
					Sequence 65, Appl
					Sequence 100, Appl
					Sequence 65, Appl
					Sequence 515, Appl
					Sequence 515, Appl
					Sequence 69, Appl
					Sequence 142, Appl
					Sequence 101, Appl

12	35	30.7	15	17	US-10-656-250-109	Sequence 109, App
13	34	29.8	11	17	US-10-656-250-98	Sequence 98, Appl
14	33	28.9	11	15	US-10-468-543-7	Sequence 7, Appli
15	33	28.9	11	15	US-10-468-543-25	Sequence 25, Appl
16	33	28.9	14	16	US-10-813-638-1274	Sequence 1274, Ap
17	33	28.9	15	15	US-10-182-936A-191	Sequence 191, App
18	33	28.9	20	14	US-10-280-066-275	Sequence 275, App
19	33	28.9	20	14	US-10-280-066-276	Sequence 276, App
20	33	28.9	20	15	US-10-269-695-89	Sequence 89, Appl
21	33	28.9	20	15	US-10-410-998-89	Sequence 89, Appl
22	32	28.1	15	17	US-10-656-250-103	Sequence 103, App
23	32	28.1	15	17	US-10-794-514A-66	Sequence 66, Appl
24	32	28.1	17	14	US-10-100-608B-5	Sequence 5, Appli
25	32	28.1	17	14	US-10-100-608B-8	Sequence 8, Appli
26	32	28.1	17	16	US-10-099-791B-5	Sequence 5, Appli
27	32	28.1	17	16	US-10-099-791B-8	Sequence 8, Appli
28	32	28.1	20	17	US-10-794-514A-52	Sequence 52, Appl
29	31	27.2	9	10	US-09-988-493-280	Sequence 280, App
30	31	27.2	10	17	US-10-659-207-58	Sequence 58, Appl
31	31	27.2	11	17	US-10-801-990-17	Sequence 17, Appl
32	31	27.2	12	16	US-10-652-407-44	Sequence 44, Appl
33	31	27.2	13	17	US-10-801-990-33	Sequence 33, Appl
34	31	27.2	14	17	US-10-661-156-85	Sequence 85, Appl
35	31	27.2	16	17	US-10-659-207-81	Sequence 81, Appl
36	31	27.2	16	17	US-10-503-574-4	Sequence 4, Appli
37	31	27.2	18	16	US-10-258-144-357	Sequence 357, App
38	31	27.2	20	14	US-10-162-538-12	Sequence 12, Appl
39	31	27.2	20	14	US-10-066-965A-1	Sequence 1, Appli
40	31	27.2	20	14	US-10-066-965A-7	Sequence 7, Appli
41	31	27.2	20	15	US-10-269-695-86	Sequence 86, Appl
42	31	27.2	20	17	US-10-410-998-86	Sequence 86, Appl
43	31	27.2	20	17	US-10-492-794-10	Sequence 10, Appl
44	30.5	26.8	15	15	US-10-363-701A-5	Sequence 5, Appli
45	30.5	26.8	20	16	US-10-831-409-9	Sequence 9, Appli

ALIGNMENTS

RESULT 1
US-10-354-240-63
; Sequence 63, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49
US-10-354-240-63

Query Match 74.6%; Score 85; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 5.2e+06;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ANNNYDPWSIYAIGG 15
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Db 1 ANNNYDPWTIYAIGG 15
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RESULT 2
US-10-354-240-64
; Sequence 64, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50
US-10-354-240-64

Query Match 71.9%; Score 82; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.5e-05;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 DPWSIYAIGSSNPT 20
| | | | | : | | | | |
Db 1 DPWTIYAIGSSNPT 15
| | | | | : | | | | |

RESULT 3
US-10-354-240-62
; Sequence 62, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48
US-10-354-240-62

Query Match 50.9%; Score 58; DB 14; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.072;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ANNNYDPWSI 10
| | | | | : | | | | |
Db 6 ANNNYDPWTI 15
| | | | | : | | | | |

RESULT 4
US-10-354-240-65
; Sequence 65, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 51
US-10-354-240-65

Query Match 46.5%; Score 53; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.42;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 YAIGSSNPT 20
| | | | | : | | | | |
Db 1 YAIGSSNPT 10
| | | | | : | | | | |

RESULT 5
US-10-346-162-100
; Sequence 100, Application US/10346162
; Publication No. US20030224390A1
; GENERAL INFORMATION:
; APPLICANT: KARO BIO USA, INC.
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: BARNETT, Thomas R.
; APPLICANT: BUEHRER, Benjamin
; TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES AND
; FILE REFERENCE: THEREOF
; CURRENT APPLICATION NUMBER: US/10/346,162
; CURRENT FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: US 09/614,865
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 09/860,688
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 100
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence


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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 69
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Polycarbonate-binding peptide 69
US-10-300-694A-69

Query Match      30.7%; Score 35; DB 14; Length 13;
Best Local Similarity 71.4%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      2 NNNYDPW 8
      |||: |||
Db      3 NVNYPW 9

RESULT 10
US-10-346-162-142
; Sequence 142, Application US/10346162
; Publication No. US20030224390A1
; GENERAL INFORMATION:
; APPLICANT: KARO BIO USA, INC.
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: BARNETT, Thomas R.
; APPLICANT: BUEHRER, Benjamin
; TITLE OF INVENTION: METHOD OF IDENTIFYING CONFORMATION-SENSITIVE BINDING PEPTIDES AND
; FILE REFERENCE: PAIGE=1H
; CURRENT APPLICATION NUMBER: US/10/346,162
; PRIOR FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: US 09/614,865
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 09/860,688
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 142
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
US-10-346-162-142

Query Match      30.7%; Score 35; DB 15; Length 15;
Best Local Similarity 45.5%; Pred. No. 2.4e+02;
Matches 5; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY      7 PWSIYAIGSS 17
      |||: |||
Db      4 PMLMHLGGGS 14

RESULT 11
US-10-656-250-101
; Sequence 101, Application US/10656250
; Publication No. US20050069951A1
; GENERAL INFORMATION:
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: KAY, Brian K.
; APPLICANT: FRELINGER, Jeffrey A.
; APPLICANT: HYDE-DERUYSCHEER, Robin P
; TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING COMPLEMENTARY COMBINATORIAL
; FILE REFERENCE: FOWLKES-4D
; CURRENT APPLICATION NUMBER: US/10/656,250
; PRIOR FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: 09/050,359
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: PCT/US97/19638
; PRIOR FILING DATE: 1997-10-31

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 109
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: alcohol dehydrogenase binding peptide from library
US-10-656-250-109

Query Match      30.7%; Score 35; DB 17; Length 15;
Best Local Similarity 43.8%; Pred. No. 2.4e+02;
Matches 7; Conservative 4; Mismatches 3; Indels 2; Gaps 1;

QY      2 NNNYDPWSIYAIGSS 17
      :|:|: |||
Db      1 SSSFKPWPIYL--GSS 14

RESULT 13
US-10-656-250-98
; Sequence 98, Application US/10656250
; Publication No. US20050069951A1
; GENERAL INFORMATION:
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: KAY, Brian K.
; APPLICANT: FRELINGER, Jeffrey A.
; APPLICANT: HYDE-DERUYSCHEER, Robin P
; TITLE OF INVENTION: IDENTIFICATION OF DRUGS USING COMPLEMENTARY COMBINATORIAL
; FILE REFERENCE: FOWLKES-4D
; CURRENT APPLICATION NUMBER: US/10/656,250
; PRIOR FILING DATE: 1997-10-31
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; CURRENT FILING DATE: 2003-09-08
; PRIOR APPLICATION NUMBER: 09/050,359
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: PCT/US97/19638
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 08/740,671
; PRIOR FILING DATE: 1996-10-31
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 98
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: beta-glucosidase binding peptide from library
US-10-656-250-98

Query Match          29.8%; Score 34; DB 17; Length 15;
Best Local Similarity 62.5%; Pred. No. 3.5e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      4 NYDPWSIY 11
       :| |||
Db      4 SYAPWPIY 11

RESULT 14
US-10-468-543-7
; Sequence 7, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION:
; APPLICANT: Irimura, Tatsuro
; APPLICANT: Matsumoto, Mariko
; APPLICANT: Yim, Mijung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Maackia amurensis
US-10-468-543-7

Query Match          28.9%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      3 NNYPDW 8
       :| |||
Db      6 HSYDPW 11

RESULT 15
US-10-468-543-25
; Sequence 25, Application US/10468543
; Publication No. US20040091938A1
; GENERAL INFORMATION:
; APPLICANT: Irimura, Tatsuro
; APPLICANT: Matsumoto, Mariko
; APPLICANT: Yim, Mijung
; APPLICANT: Ono, Takashi
; TITLE OF INVENTION: Lectins for Analyzing Sugar Chains and Method of Using the Same
; FILE REFERENCE: 03-786
; CURRENT APPLICATION NUMBER: US/10/468,543
; CURRENT FILING DATE: 2003-08-20
; PRIOR APPLICATION NUMBER: JP 2001-044221
; PRIOR FILING DATE: 2001-02-20
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; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Maackia amurensis
US-10-468-543-25

Query Match          28.9%; Score 33; DB 15; Length 11;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      3 NNYPDW 8
       :| |||
Db      6 HSYDPW 11

Search completed: June 20, 2005, 15:55:18
Job time : 53.45 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-27
Perfect score: 114
Sequence: 1 ANNYDPSYIAIGSSNPT 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/1/iaa/PTUS_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	111	97.4	20	US-08-467-023-50	Sequence 50, Appl
2	85	74.6	15	US-09-142-524D-63	Sequence 63, Appl
3	82	71.9	15	US-09-142-524D-64	Sequence 64, Appl
4	58	50.9	15	US-09-142-524D-62	Sequence 62, Appl
5	58	50.9	19	US-08-467-023-258	Sequence 258, App
6	58	50.9	20	US-08-467-023-49	Sequence 49, Appl
7	53	46.5	15	US-09-142-524D-65	Sequence 65, Appl
8	53	46.5	20	US-08-467-023-51	Sequence 51, Appl
9	50	43.9	17	US-08-290-448A-55	Sequence 55, Appl
10	50	43.9	17	US-08-290-448A-55	Sequence 55, Appl
11	50	43.9	17	US-08-175-069A-55	Sequence 55, Appl
12	50	43.9	17	US-08-461-939B-55	Sequence 55, Appl
13	50	43.9	17	US-08-464-000-55	Sequence 55, Appl
14	42	36.8	17	US-09-379-665D-10	Sequence 10, Appl
15	38	33.3	20	US-08-861-153A-10	Sequence 10, Appl
16	37	32.5	16	US-09-461-325-515	Sequence 515, App
17	37	32.5	16	US-10-013-542-515	Sequence 515, App
18	37	32.5	16	US-10-115-123-515	Sequence 515, App
19	35	30.7	15	US-09-069-827A-101	Sequence 101, App
20	35	30.7	15	US-09-069-827A-109	Sequence 109, App
21	34	29.8	15	US-09-069-827A-98	Sequence 98, Appl
22	33	28.9	20	US-08-861-153A-12	Sequence 12, Appl
23	32	28.1	15	US-09-069-827A-103	Sequence 103, App
24	31	27.2	10	US-09-620-091-58	Sequence 58, Appl
25	31	27.2	16	US-09-620-091-81	Sequence 81, Appl
26	31	27.2	20	US-08-142-449B-1	Sequence 1, Appli
27	31	27.2	20	US-08-504-538A-12	Sequence 12, Appl

Sequence 12, Appl
Sequence 12, Appl
Sequence 23, Appl
Sequence 23, Appl
Sequence 23, Appl
Sequence 29, Appl
Sequence 29, Appl
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Sequence 30, Appl
Sequence 30, Appl
Sequence 33, Appl
Sequence 33, Appl
Sequence 99, Appl
Sequence 100, App
Sequence 108, App
Sequence 80, Appl
Sequence 8, Appl
Sequence 8, Appl
Sequence 16, Appl
Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-50
; Sequence 50, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-50

Query Match 97.4%; Score 111; DB 3; Length 20;
Best Local Similarity 95.0%; Pred. No. 2.7e-10;
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ANNNYDPWSIYAIGSSNPT 20
|||||:|||||
Db 1 ANNNYDPWTIYAIGSSNPT 20
|||||:|||||

RESULT 2

US-09-142-524D-63
; Sequence 63, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 49
US-09-142-524D-63

Query Match 74.6%; Score 85; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.7e-06;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ANNNYDPWSIYAIGG 15
|||||:|||||
Db 1 ANNNYDPWTIYAIGG 15
|||||:|||||

RESULT 3

US-09-142-524D-64
; Sequence 64, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 50
US-09-142-524D-64

Query Match 71.9%; Score 82; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 4.8e-06;
Matches 14; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 DPWSIYAIGSSNPT 20
|||||:|||||
Db 1 DPWTIYAIGSSNPT 15
|||||:|||||

RESULT 4

US-09-142-524D-62
; Sequence 62, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 48
US-09-142-524D-62

Query Match 50.9%; Score 58; DB 4; Length 15;
Best Local Similarity 90.0%; Pred. No. 0.021;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ANNNYDPWSI 10
|||||:|
Db 6 ANNNYDPWTI 15
|||||:|

RESULT 5

US-08-467-023-258
; Sequence 258, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 258:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-258

Query Match 50.9%; Score 58; DB 3; Length 19;
Best Local Similarity 90.0%; Pred. No. 0.027; Mismatches 1; Indels 0; Gaps 0;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ANNNYDPWSI 10
Db 10 ANNNYDPWTI 19
|||||||:

RESULT 6
US-08-467-023-49
Sequence 49, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImmuLogic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994

ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-49

Query Match 50.9%; Score 58; DB 3; Length 20;
Best Local Similarity 90.0%; Pred. No. 0.029; Mismatches 1; Indels 0; Gaps 0;
Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ANNNYDPWSI 10
Db 11 ANNNYDPWTI 20
|||||||:

RESULT 7
US-09-142-524D-65
Sequence 65, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohauke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 65
LENGTH: 15
TYPE: PPT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 51
US-09-142-524D-65

Query Match 46.5%; Score 53; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.12; Mismatches 0; Indels 0; Gaps 0;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 11 YAIGSSNPT 20
Db 1 YAIGSSNPT 10
|||||||:

RESULT 8
US-08-467-023-51
Sequence 51, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D.;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;

APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-51

Query Match 46.5%; Score 53; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.16;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 YAIGSSNPT 20
||| ||| ||| ||| |||
Db 1 YAIGSSNPT 10

RESULT 9
US-08-290-448A-55
Sequence 55, Application US/08290448A
Patent No. 5676954
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: August 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-290-448A-55
Query Match 43.9%; Score 50; DB 1; Length 17;
Best Local Similarity 72.7%; Pred. No. 0.39;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 2 NNNYDPNSIYA 12
||| ||| ||| ||| |||
Db 7 NNNYDRMGTYA 17
RESULT 10
US-08-290-448A-55
Sequence 55, Application US/08290448A
Patent No. 5698204
GENERAL INFORMATION:
APPLICANT: Rogers, Bruce
APPLICANT: Klapper, David G.
APPLICANT: Rafnar, Thorunn
APPLICANT: Kuo, Mei-chang
TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/290,448A
FILING DATE: August 15, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/529,951
FILING DATE: May 29, 1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: March 17, 1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-290-448A-55

Query Match 43.9%; Score 50; DB 1; Length 17;
Best Local Similarity 72.7%; Pred. No. 0.39;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNYDPWSIYA 12
Db 7 NNNYDRMGTYA 17

RESULT 11

US-08-175-069A-55
; Sequence 55, Application US/08175069A
; Patent No. 5776761
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/175,069A
; FILING DATE: December 29, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-175-069A-55

Query Match 43.9%; Score 50; DB 1; Length 17;
Best Local Similarity 72.7%; Pred. No. 0.39;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNYDPWSIYA 12
Db 7 NNNYDRMGTYA 17

RESULT 12

US-08-461-939B-55
; Sequence 55, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; TITLE OF INVENTION: Protein Allergen Using Peptides Which Include A T Cell Epitope
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,000
; FILING DATE: 05-JUN-1995
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CNDV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-461-939B-55

Query Match 43.9%; Score 50; DB 3; Length 17;
Best Local Similarity 72.7%; Pred. No. 0.39;
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 NNNYDPWSIYA 12
Db 7 NNNYDRMGTYA 17

RESULT 13

US-08-464-000-55
; Sequence 55, Application US/08464000
; Patent No. 6335020
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,000
FILING DATE: 05-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/290,448
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/529,951
FILING DATE: 29-MAY-1990
APPLICATION NUMBER: US 07/325,365
FILING DATE: 17-MAR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Amy E. Mandragouras
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-018CN2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-464-000-55

Query Match 43.9%; Score 50; DB 3; Length 17;
Best Local Similarity 72.7%; Pred. No. 0.39;
Matches 8; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY 2 NNNYDPWSIYA 12
|||||
DB 7 NNNYDRWGTYA 17

RESULT 14

US-09-379-665D-10
Sequence 10, Application US/09379665D
Patent No. 6509184
GENERAL INFORMATION:
APPLICANT: National Renewable Energy Laboratory
TITLE OF INVENTION: ALKALINE TOLERANT DEXTRANASE FROM STREPTOMYCES ANULATUS
FILE REFERENCE: NREL 98-37
CURRENT APPLICATION NUMBER: US/09/379,665D
CURRENT FILING DATE: 1999-08-24
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 17
TYPE: PRT
ORGANISM: DEX 1
US-09-379-665D-10

Query Match 36.8%; Score 42; DB 4; Length 17;
Best Local Similarity 37.5%; Pred. No. 6.4;
Matches 6; Conservative 5; Mismatches 5; Indels 5; Gaps 0;

QY 4 NYDPWSIYAIGGSSNP 19
|:|:|:|:|:|:|
DB 1 NWDNNNAWGPGGNPD 16

RESULT 15

US-08-861-153A-10
Sequence 10, Application US/08861153A
Patent No. 6723694
GENERAL INFORMATION:

APPLICANT: BEN-SASSON, Shmuel A
TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY MODULATE INTRACELLULAR SIGNALING
FILE REFERENCE: BEN-SASSON-1
CURRENT APPLICATION NUMBER: US/08/861,153A
CURRENT FILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 53
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 20
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: synthetic
US-08-861-153A-10

Query Match 33.3%; Score 38; DB 4; Length 20;
Best Local Similarity 41.7%; Pred. No. 31;
Matches 5; Conservative 4; Mismatches 3; Indels 3; Gaps 0;

QY 8 WSIYAIGGSSNP 19
|:|:|:|:|:|:|
DB 1 WEIFSLGGTYP 12

Search completed: June 20, 2005, 14:22:23
Job time : 17.15 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:14:01 ; Search time 53.45 Seconds
(without alignments)
143.678 Million cell updates/sec

Title: US-09-202-464-29

Perfect score: 101
Sequence: 1 ILSEGNFTAPNDSKKEVT 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0
Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	67	66.3	15	14	US-10-354-240-67
2	62	61.4	15	14	US-10-354-240-68
3	48	47.5	15	14	US-10-354-240-66
4	37	36.6	15	14	US-10-354-240-69
5	33	32.7	15	14	US-10-354-240-117
6	33	32.7	17	17	US-10-884-355A-113
7	33	32.7	19	17	US-10-884-355A-112
8	32	31.7	15	10	US-09-966-459A-60
9	32	31.7	15	16	US-10-323-412-60
10	32	31.7	17	17	US-10-660-370-22
11	32	31.7	17	17	US-10-660-370-103
					Sequence 67, Appl
					Sequence 68, Appl
					Sequence 66, Appl
					Sequence 69, Appl
					Sequence 117, App
					Sequence 113, App
					Sequence 112, App
					Sequence 60, Appl
					Sequence 60, Appl
					Sequence 22, Appl
					Sequence 103, App

12	31	30.7	14	14	US-10-172-425B-31	Sequence 31, Appl
13	31	30.7	15	15	US-10-432-422-67	Sequence 67, Appl
14	31	30.7	17	16	US-10-632-706-141	Sequence 141, App
15	31	30.7	17	16	US-10-632-706-145	Sequence 145, App
16	31	30.7	17	16	US-10-632-706-149	Sequence 149, App
17	31	30.7	17	16	US-10-632-706-153	Sequence 153, App
18	31	30.7	17	16	US-10-632-706-157	Sequence 157, App
19	31	30.7	20	14	US-10-057-789-298	Sequence 298, App
20	31	30.7	20	14	US-10-212-628-298	Sequence 298, App
21	30	29.7	14	14	US-10-172-425B-44	Sequence 44, Appl
22	30	29.7	20	17	US-10-612-468A-117	Sequence 117, App
23	29	28.7	14	17	US-10-777-893-65	Sequence 65, Appl
24	29	28.7	15	9	US-09-739-852-8	Sequence 8, Appl
25	29	28.7	15	14	US-10-354-240-116	Sequence 116, App
26	29	28.7	15	16	US-10-203-915A-126	Sequence 126, App
27	29	28.7	15	17	US-10-886-773-105	Sequence 105, App
28	29	28.7	17	14	US-10-160-232-16	Sequence 16, Appl
29	29	28.7	17	14	US-10-281-479A-26	Sequence 26, Appl
30	29	28.7	17	14	US-10-275-180A-26	Sequence 26, Appl
31	29	28.7	17	14	US-10-286-132A-26	Sequence 26, Appl
32	29	28.7	17	16	US-10-477-377-9	Sequence 9, Appl
33	29	28.7	18	14	US-10-084-813-202	Sequence 202, App
34	29	28.7	18	14	US-10-084-813-428	Sequence 428, App
35	29	28.7	18	14	US-10-084-813-429	Sequence 429, App
36	29	28.7	18	14	US-10-084-813-430	Sequence 430, App
37	29	28.7	18	14	US-10-084-813-431	Sequence 431, App
38	29	28.7	18	14	US-10-094-407A-19	Sequence 19, Appl
39	29	28.7	20	16	US-10-383-930-17	Sequence 17, Appl
40	29	28.7	20	17	US-10-797-821-17	Sequence 17, Appl
41	28.5	28.2	14	15	US-10-417-895A-81	Sequence 81, Appl
42	28	27.7	8	13	US-10-080-100-23	Sequence 23, Appl
43	28	27.7	8	15	US-10-416-797-19	Sequence 19, Appl
44	28	27.7	13	9	US-09-956-955A-32	Sequence 32, Appl
45	28	27.7	13	10	US-09-956-940-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1
US-10-354-240-67
; Sequence 67, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JF97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 67
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 53
US-10-354-240-67

Query Match 66.3%; Score 67; DB 14; Length 15;
Best Local Similarity 92.9%; Pred. No. 0.00059;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 ILSEGNSTAPNDS 14
    |||||:|
Db 1 ILSEGNSTAPNES 14
    |||||:|

RESULT 2
US-10-354-240-68
; Sequence 68, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 68
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 54
US-10-354-240-68

Query Match 61.4%; Score 62; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0039;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 NSFTAPNDSKKEVT 20
    |||||:|
Db 1 NSFTAPNESYKQVT 15
    |||||:|

RESULT 3
US-10-354-240-66
; Sequence 66, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 52
US-10-354-240-66
```

```
Query Match 47.5%; Score 48; DB 14; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.75;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILSEGNSTFT 10
    |||||:|
Db 6 ILSEGNSTFT 15
    |||||:|

RESULT 4
US-10-354-240-69
; Sequence 69, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 55
US-10-354-240-69

Query Match 36.6%; Score 37; DB 14; Length 15;
Best Local Similarity 70.0%; Pred. No. 47;
Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 11 PNDSKKEVT 20
    |||||:|
Db 1 PNESYKQVT 10
    |||||:|

RESULT 5
US-10-354-240-117
; Sequence 117, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 117
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-117
```

FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 34
US-10-354-240-117

Query Match 32.7%; Score 33; DB 14; Length 15;
Best Local Similarity 70.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 5 GNSFTAPRDS 14
Db 2 GISITAPRDS 11

RESULT 6

US-10-884-355A-113
Sequence 113, Application US/10884355A
Publication No. US20050058689A1
GENERAL INFORMATION:
APPLICANT: Reactive Surfaces, Ltd.
TITLE OF INVENTION: Antifungal Paints and Coatings
FILE REFERENCE: RACT-00400
CURRENT APPLICATION NUMBER: US/10/884,355A
CURRENT FILING DATE: 2004-07-02
PRIOR APPLICATION NUMBER: 60/485,234
PRIOR FILING DATE: 2003-07-03
NUMBER OF SEQ ID NOS: 199
SOFTWARE: PatentIn version 3.3
SEQ ID NO 113
LENGTH: 17
TYPE: PRT
ORGANISM: Rainbow trout Histone H2B-3 (HLP-3) (Fragment)
US-10-884-355A-113

Query Match 32.7%; Score 33; DB 17; Length 17;
Best Local Similarity 58.3%; Pred. No. 2.5e+02;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 9 TAPNDSKKKEVT 20
Db 6 TAPKKKSKKAVT 17

RESULT 7

US-10-884-355A-112
Sequence 112, Application US/10884355A
Publication No. US20050058689A1
GENERAL INFORMATION:
APPLICANT: Reactive Surfaces, Ltd.
TITLE OF INVENTION: Antifungal Paints and Coatings
FILE REFERENCE: RACT-00400
CURRENT APPLICATION NUMBER: US/10/884,355A
CURRENT FILING DATE: 2004-07-02
PRIOR APPLICATION NUMBER: 60/485,234
PRIOR FILING DATE: 2003-07-03
NUMBER OF SEQ ID NOS: 199
SOFTWARE: PatentIn version 3.3
SEQ ID NO 112
LENGTH: 19
TYPE: PRT
ORGANISM: Rainbow trout Histone H2B-1 (HLP-1) (Fragment)
US-10-884-355A-112

Query Match 32.7%; Score 33; DB 17; Length 19;
Best Local Similarity 58.3%; Pred. No. 2.8e+02;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 9 TAPNDSKKKEVT 20
Db 6 TAPKKGSKKAVT 17

RESULT 8

US-09-966-459A-60
Sequence 60, Application US/09966459A
Publication No. US2003002237A1
GENERAL INFORMATION:
APPLICANT: FEDER, J.N.
APPLICANT: MINTIER, G.
APPLICANT: RAMANATHAN, C.S.
APPLICANT: HAWKEN, D.R.
APPLICANT: CACACE, A.
APPLICANT: BARBER, L.
APPLICANT: KORNACKER, M.G.
TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMV4,
TITLE OF INVENTION: EXPRESSED HIGHLY IN PROSTATE, COLON, AND LUNG
FILE REFERENCE: D0039NP
CURRENT APPLICATION NUMBER: US/09/966,459A
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 60/235,833
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/261,776
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 60/305,351
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 60/313,202
PRIOR FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 60
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: polypeptide
US-09-966-459A-60

Query Match 31.7%; Score 32; DB 10; Length 15;
Best Local Similarity 54.5%; Pred. No. 3.1e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 3 SEGNSFTAPND 13
Db 3 SDGESPFEPGD 13

RESULT 9

US-10-323-412-60
Sequence 60, Application US/10323412
Publication No. US20040121330A1
GENERAL INFORMATION:
APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMV4, AND METHODS OF
TITLE OF INVENTION: THEREOF
FILE REFERENCE: D0039A CIP
CURRENT APPLICATION NUMBER: US/10/323,412
CURRENT FILING DATE: 2002-12-18
PRIOR APPLICATION NUMBER: U.S. 09/964,459
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: U.S. 60/235,833
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: U.S. 60/261,776
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: U.S. 60/305,351
PRIOR FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: U.S. 60/313,202
PRIOR FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 69
SOFTWARE: PatentIn version 3.1
SEQ ID NO 60
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:

; OTHER INFORMATION: Synthesized Polypeptide.

US-10-323-412-60

Query Match 31.7%; Score 32; DB 16; Length 15;
Best Local Similarity 54.5%; Pred. No. 3.1e+02;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 SEGNSFTAPND 13

Db 3 SDGESFFEPGD 13

RESULT 10

US-10-660-370-22

; Sequence 22, Application US/10660370
; Publication No. US20050064507A1

; GENERAL INFORMATION:

; APPLICANT: Shaw, J. Stephen

; TITLE OF INVENTION: National Institutes of Health

; FILE REFERENCE: 1662.009US2

; CURRENT APPLICATION NUMBER: US/10/660,370

; CURRENT FILING DATE: 2003-09-11

; NUMBER OF SEQ ID NOS: 640

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 22

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: A synthetic peptide

US-10-660-370-22

Query Match

Best Local Similarity 31.7%; Score 32; DB 17; Length 17;
Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 ILSEGNSTAPNDS 14

Db 1 LLKGRDSFRTPRDS 14

RESULT 11

US-10-660-370-103

; Sequence 103, Application US/10660370

; Publication No. US20050064507A1

; GENERAL INFORMATION:

; APPLICANT: Shaw, J. Stephen

; TITLE OF INVENTION: National Institutes of Health

; FILE REFERENCE: 1662.009US2

; CURRENT APPLICATION NUMBER: US/10/660,370

; CURRENT FILING DATE: 2003-09-11

; NUMBER OF SEQ ID NOS: 640

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 103

; LENGTH: 17

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: A synthetic peptide

US-10-660-370-103

Query Match

Best Local Similarity 31.7%; Score 32; DB 17; Length 17;
Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 1 ILSEGNSTAPNDS 14

Db 1 LLKGRDSFRTPRDS 14

RESULT 12

US-10-172-425B-31

; Sequence 31, Application US/10172425B

; Publication No. US20030147908A1

; GENERAL INFORMATION:

; APPLICANT: Kaempfer, Raymond

; TITLE OF INVENTION: BROAD SPECTRUM ANTAGONISTS AND VACCINES

; FILE REFERENCE: A31967-PCT-USA-A-066031.0164

; CURRENT APPLICATION NUMBER: US/10/172,425B

; CURRENT FILING DATE: 2002-06-13

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: PCT/IL97/00438

; PRIOR FILING DATE: 1997-12-30

; PRIOR APPLICATION NUMBER: ISRAEL 119938

; PRIOR FILING DATE: 1996-12-30

; NUMBER OF SEQ ID NOS: 57

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 31

; LENGTH: 14

; TYPE: PRT

; ORGANISM: Streptococcus pyogenes

US-10-172-425B-31

Query Match 30.7%; Score 31; DB 14; Length 14;

Best Local Similarity 85.7%; Pred. No. 4.2e+02;

Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 14 SDKKEVT 20

Db 3 TDKKEVT 9

RESULT 13

US-10-432-422-67

; Sequence 67, Application US/10432422

; Publication No. US20040076981A1

; GENERAL INFORMATION:

; APPLICANT: Syngenta Participations AG

; APPLICANT: Cornell Research Foundation, Inc.

; APPLICANT: Yoder, Olen

; APPLICANT: Turgeon, Barbara G.

; TITLE OF INVENTION: Fungal Iron Reductase Gene

; FILE REFERENCE: 1360.017W01

; CURRENT APPLICATION NUMBER: US/10/432,422

; CURRENT FILING DATE: 2003-05-21

; PRIOR APPLICATION NUMBER: US 60/252,732

; PRIOR FILING DATE: 2000-11-22

; PRIOR APPLICATION NUMBER: US 60/252,649

; PRIOR FILING DATE: 2000-11-22

; NUMBER OF SEQ ID NOS: 210

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 67

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Fusarium scirpi

US-10-432-422-67

Query Match 30.7%; Score 31; DB 15; Length 15;

Best Local Similarity 40.0%; Pred. No. 4.5e+02;

Matches 6; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 ILSEGNSTAPNDS 15

Db 1 VLKAGHAFTLIDPSD 15

RESULT 14

US-10-632-706-141

; Sequence 141, Application US/10632706

; Publication No. US20040175385A1

; GENERAL INFORMATION:
; APPLICANT: MARKS, JAMES D.
; APPLICANT: AMERSDORFER, PETER
; TITLE OF INVENTION: THERAPEUTIC MONOCLONAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
; TITLE OF INVENTION: NEUROTOXINS
; FILE REFERENCE: 407T-895120US
; CURRENT APPLICATION NUMBER: US/10/632,706
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: US 60/400,721
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: US 09/144,806
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 141
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: single chain antibody fragment
US-10-632-706-141

Query Match 30.7%; Score 31; DB 16; Length 17;
Best Local Similarity 46.7%; Pred.No. 5.2e+02;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 LSEGNSTAPNDSK 16
:|:|:|:|:|:|
Db 2 ISDGSYYTPDSVK 16

RESULT 15
US-10-632-706-145
; Sequence 145 Application US/10632706
; Publication No. US20040175385A1
; GENERAL INFORMATION:
; APPLICANT: MARKS, JAMES D.
; APPLICANT: AMERSDORFER, PETER
; TITLE OF INVENTION: THERAPEUTIC MONOCLONAL ANTIBODIES THAT NEUTRALIZE BOTULINUM
; TITLE OF INVENTION: NEUROTOXINS
; FILE REFERENCE: 407T-895120US
; CURRENT APPLICATION NUMBER: US/10/632,706
; CURRENT FILING DATE: 2003-08-01
; PRIOR APPLICATION NUMBER: US 60/400,721
; PRIOR FILING DATE: 2002-08-01
; PRIOR APPLICATION NUMBER: US 09/144,806
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 145
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: single chain antibody fragment
US-10-632-706-145

Query Match 30.7%; Score 31; DB 16; Length 17;
Best Local Similarity 46.7%; Pred.No. 5.2e+02;
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 LSEGNSTAPNDSK 16
:|:|:|:|:|:|
Db 2 ISDGSYYTPDSVK 16

Search completed: June 20, 2005, 15:55:19
Job time : 54.45 secs

THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 20, 2005, 14:04:11 ; Search time 16.15 Seconds
(without alignments)
92.445 Million cell updates/sec

Title: US-09-202-464-29

Perfect score: 101

Sequence: 1 ILSEGNFTAPNDSKKEVT 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	85	84.2	20	3	US-08-467-023-52
2	67	66.3	15	4	US-09-142-524D-67
3	62	61.4	15	4	US-09-142-524D-68
4	48	47.5	15	4	US-09-142-524D-66
5	48	47.5	20	3	US-08-467-023-51
6	37	36.6	15	4	US-09-142-524D-69
7	37	36.6	20	3	US-08-467-023-53
8	35	34.7	19	3	US-09-014-416-33
9	34	33.7	16	4	US-09-048-473-12
10	34	33.7	19	3	US-09-014-416-29
11	34	33.7	19	3	US-09-014-416-31
12	34	33.7	19	3	US-09-014-416-35
13	33	32.7	15	4	US-09-142-524D-117
14	31	30.7	12	1	US-07-789-184-170
15	31	30.7	12	1	US-08-475-263-170
16	31	30.7	12	1	US-08-485-886-170
17	31	30.7	12	2	US-08-477-362-170
18	31	30.7	12	2	US-08-477-134-170
19	31	30.7	12	3	US-08-473-489A-170
20	31	30.7	12	3	US-08-485-695-170
21	31	30.7	12	3	US-08-018-760-170
22	31	30.7	12	2	US-08-295-643-15
23	30	29.7	18	3	US-08-804-439A-113
24	30	29.7	19	3	US-09-014-416-39
25	29	28.7	12	2	US-08-475-844-7
26	29	28.7	12	5	PCT-US95-08429-7
27	29	28.7	15	3	US-09-133-341-8

Sequence 8, Appli
Sequence 116, Appl
Sequence 42, Appl
Patent No. 5196511
Patent No. 5196511
Sequence 29, Appl
Sequence 15, Appl
Sequence 50, Appl
Sequence 51, Appl
Sequence 7, Appl
Sequence 3, Appl
Sequence 4, Appl
Sequence 26, Appl
Sequence 23, Appl
Sequence 157, App
Sequence 157, App

28 29 28.7 15 4 US-09-739-852-8
29 29 28.7 15 4 US-09-142-524D-116
30 29 28.7 19 3 US-09-014-416-42
31 28.5 28.2 17 6 5196511-26
32 28.5 28.2 17 6 5196511-26
33 28 27.7 13 1 US-08-488-252-29
34 28 27.7 15 1 US-08-218-025A-15
35 28 27.7 15 5 PCT-US93-11703-50
36 28 27.7 15 5 PCT-US93-11703-51
37 28 27.7 16 3 US-08-886-886-7
38 28 27.7 16 3 US-08-440-322-3
39 28 27.7 16 3 US-08-440-322-4
40 28 27.7 16 3 US-08-440-331-3
41 28 27.7 16 3 US-08-440-331-4
42 28 27.7 20 1 US-08-488-252-26
43 27 26.7 10 3 US-08-566-190-23
44 27 26.7 12 1 US-07-789-184-157
45 27 26.7 12 1 US-08-475-263-157

ALIGNMENTS

RESULT 1
US-08-467-023-52
; Sequence 52, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffeth, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-52

Query Match 84.2%; Score 85; DB 3; Length 20;
Best Local Similarity 85.0%; Pred. No. 3.1e-07;
Matches 17; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 ILSEGSFTAPNDSKKQVT 20
Db 1 ILSEGSFTAPNESYKKQVT 20

RESULT 2

US-09-142-524D-67
; Sequence 67, Application US/09142524D
; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 67

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 53

US-09-142-524D-67

Query Match 66.3%; Score 67; DB 4; Length 15;
Best Local Similarity 92.9%; Pred. No. 0.00019;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILSEGSFTAPNDS 14
Db 1 ILSEGSFTAPNES 14

RESULT 3

US-09-142-524D-68

; Sequence 68, Application US/09142524D
; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 68

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 54
US-09-142-524D-68

Query Match 61.4%; Score 62; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0012;
Matches 12; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 6 NSFTAPNDSKKQVT 20
Db 1 NSFTAPNESYKKQVT 15

RESULT 4

US-09-142-524D-66

; Sequence 66, Application US/09142524D
; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 66

; LENGTH: 15

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

; FEATURE:

; NAME/KEY: MISC FEATURE

; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 52

US-09-142-524D-66

Query Match 47.5%; Score 48; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.23;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ILSEGSFTA 10
Db 6 ILSEGSFTA 15

RESULT 5

US-08-467-023-51

; Sequence 51, Application US/08467023
; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.

; STREET: 610 Lincoln St

; CITY: Waltham

; STATE: MA

; COUNTRY: USA

; ZIP: 02154

```

RESULT 7
US-08-467-023-53
; Sequence 53, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467.023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-53

Query Match          36.6%; Score 37; DB 3; Length 20;
Best Local Similarity 70.0%; Pred. No. 20;
Matches      7; Conservative      2; Mismatches    1; Indels

Qy      11 PNDSKKKVT 20
Db       1 PNEYSKKQVT 10
|||||

RESULT 8
US-09-014-416-33
; Sequence 33, Application US/09014416
; Patent No. 6153421
; GENERAL INFORMATION:
; APPLICANT: Yanagi, Masayuki
; APPLICANT: Buhk, Jens
; APPLICANT: Emerson, Susanne U.
; APPLICANT: Purcell, Robert H.
; TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C
; TITLE OF INVENTION: USES THEREOF

```

FILE REFERENCE: 20264276
CURRENT APPLICATION NUMBER: US/09/014,416
CURRENT FILING DATE: 1998-01-27
EARLIER APPLICATION NUMBER: US 60/053,062
EARLIER FILING DATE: 1997-07-18
NUMBER OF SEQ ID NOS: 65
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 33
LENGTH: 19
TYPE: PRT
ORGANISM: Hepatitis C virus
US-09-014-416-33

Query Match 34.7%; Score 35; DB 3; Length 19;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 7 SFTAPNDSKK 17
DB 6 TYTGNSSDQR 16

RESULT 9

US-09-048-473-12
Sequence 12, Application US/09048473
Patent No. 6509171
GENERAL INFORMATION:

APPLICANT: Berka, Randy M.
Hayenga, Kirk J.
Lawlis, Virgil B.
Ward, Michael

TITLE OF INVENTION: ASPARTIC PROTEINASE DEFICIENT
FILAMENTOUS FUNGI

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESS: Genencor International, Inc.

STREET: 925 Page Mill Road

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304-1013

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/048,473

FILING DATE: 26-Mar-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/214,237

FILING DATE: 01-JUL-1992

APPLICATION NUMBER: 07/931,123

FILING DATE: 17-AUG-1992

APPLICATION NUMBER: 08/345,018

FILING DATE: 23-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Glaister, Debra J.

REGISTRATION NUMBER: 33,888

REFERENCE/DOCKET NUMBER: GC45-4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-846-7620

TELEFAX: 650-845-6504

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 16 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 12:

US-09-048-473-12

Query Match 33.7%; Score 34; DB 4; Length 16;

Best Local Similarity 33.3%; Pred. No. 47;
Matches 5; Conservative 7; Mismatches 3; Indels 0; Gaps 0;
QY 3 SEGNSFTAPNDSKK 17
DB 1 SKGSAVTTPQNDEE 15

RESULT 10

US-09-014-416-29
Sequence 29, Application US/09014416
Patent No. 6153421
GENERAL INFORMATION:

APPLICANT: Yanagi, Masayuki

APPLICANT: Bukh, Jens

APPLICANT: Emerson, Susanne U.

APPLICANT: Purcell, Robert H.

TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND

US09-014-416-29

FILE REFERENCE: 20264276

CURRENT APPLICATION NUMBER: US/09/014,416

CURRENT FILING DATE: 1998-01-27

EARLIER APPLICATION NUMBER: US 60/053,062

EARLIER FILING DATE: 1997-07-18

NUMBER OF SEQ ID NOS: 65

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 29

LENGTH: 19

TYPE: PRT

ORGANISM: Hepatitis C virus

US-09-014-416-29

Query Match

Best Local Similarity 33.7%; Score 34; DB 3; Length 19;

Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 7 SFTAPNDSKK 17

DB 6 TYTGNSSDQR 16

RESULT 11

US-09-014-416-31
Sequence 31, Application US/09014416
Patent No. 6153421
GENERAL INFORMATION:

APPLICANT: Yanagi, Masayuki

APPLICANT: Bukh, Jens

APPLICANT: Emerson, Susanne U.

APPLICANT: Purcell, Robert H.

TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND

US09-014-416-31

FILE REFERENCE: 20264276

CURRENT APPLICATION NUMBER: US/09/014,416

CURRENT FILING DATE: 1998-01-27

EARLIER APPLICATION NUMBER: US 60/053,062

EARLIER FILING DATE: 1997-07-18

NUMBER OF SEQ ID NOS: 65

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 31

LENGTH: 19

TYPE: PRT

ORGANISM: Hepatitis C virus

US-09-014-416-31

Query Match

Best Local Similarity 33.7%; Score 34; DB 3; Length 19;

Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 7 SFTAPNDSKK 17

DB 6 TYTGNSSDQR 16

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RESULT 12
US-09-014-416-35
; Sequence 35, Application US/09014416
; Patent No. 6153421
; GENERAL INFORMATION:
; APPLICANT: Yanagi, Masayuki
; APPLICANT: Bukh, Jens
; APPLICANT: Emerson, Susanne U.
; APPLICANT: Purcell, Robert H.
; TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 20264276
; CURRENT APPLICATION NUMBER: US/09/014,416
; CURRENT FILING DATE: 1998-01-27
; EARLIER APPLICATION NUMBER: US 60/053,062
; EARLIER FILING DATE: 1997-07-18
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-014-416-35

Query Match      33.7%; Score 34; DB 3; Length 19;
Best Local Similarity 45.5%; Pred. No. 57;
Matches 5; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      7 SFTAPNDSKK 17
Db      6 AYTEPNSSDQR 16
      : : | | | | : :
      : : | | | | : :

RESULT 13
US-09-142-524D-117
; Sequence 117, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinoori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 117
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj2 peptide, Figure 2, Row 34
US-09-142-524D-117

Query Match      32.7%; Score 33; DB 4; Length 15;
Best Local Similarity 70.0%; Pred. No. 63;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      5 GNSFTAPNDS 14
Db      2 GISITAPRDS 11
      : : | | | | : :
      : : | | | | : :

RESULT 14
US-07-789-184-170
; Sequence 170, Application US/07789184
; Patent No. 568768
; GENERAL INFORMATION:
; APPLICANT: COUGHLIN, SHAUN R.
; APPLICANT: SCARBOROUGH, ROBERT M.
; TITLE OF INVENTION: RECOMBINANT THROMBIN RECEPTOR AND
; TITLE OF INVENTION: RELATED PHARMACEUTICALS
; NUMBER OF SEQUENCES: 223
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/789,184
; FILING DATE: 19911107
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 22000-20502.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5800
; TELEFAX: (415) 494-0792
; TELEX: 34-0154
; INFORMATION FOR SEQ ID NO: 170:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
US-07-789-184-170

Query Match      30.7%; Score 31; DB 1; Length 12;
Best Local Similarity 58.3%; Pred. No. 1e+02;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy      7 SFTAPNDSKK 18
Db      1 SFLARNPNDKYE 12
      : : | | | | : :
      : : | | | | : :

RESULT 15
US-08-475-263-170
; Sequence 170, Application US/08475263
; Patent No. 5759994
; GENERAL INFORMATION:
; APPLICANT: COUGHLIN, SHAUN R.
; APPLICANT: SCARBOROUGH, ROBERT M.
; TITLE OF INVENTION: RECOMBINANT THROMBIN RECEPTOR AND
; TITLE OF INVENTION: RELATED PHARMACEUTICALS
; NUMBER OF SEQUENCES: 223
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave., NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,263
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; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
;   NAME: MURASHIGE, KATE H.
;   REGISTRATION NUMBER: 29,959
;   REFERENCE/DOCKET NUMBER: 22000-20502.03
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (202) 887-1500
;   TELEFAX: (202) 887-0763
;   TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 170:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 12 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; US-08-475-263-170

Query Match      30.7%; Score 31; DB 1; Length 12;
Best Local Similarity 58.3%; Pred. No. 1e+02;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      7 SFTAPNDSDKKE 18
      ||| | | | |
Db      1 SFLARNPNCKYE 12
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Search completed: June 20, 2005, 14:22:23
Job time : 16.15 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 20, 2005, 15:55:27 ; Search time 72.4 Seconds
(without alignments)
106.072 Million cell updates/sec

Title: US-09-202-464-32

Perfect score: 119

Sequence: 1 CANVWRSTQDSFNGAYFV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
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12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	71	59.7	15	14	US-10-354-240-73
2	67	56.3	15	14	US-10-354-240-74
3	57	47.9	15	14	US-10-354-240-72
4	41	34.5	15	14	US-10-354-240-75
5	41	34.5	18	16	US-10-742-379-93
6	40.5	34.0	13	16	US-10-468-496-1269
7	40.5	34.0	13	16	US-10-468-496-1270
8	40.5	34.0	13	16	US-10-468-496-1271
9	39	32.8	13	16	US-10-468-496-1267
10	39	32.8	13	16	US-10-468-496-1268
11	37	31.1	8	9	US-09-962-445-15

12	35	29.4	7	16	US-10-714-564A-323	Sequence 323, App
13	35	29.4	8	16	US-10-714-564A-324	Sequence 324, App
14	35	29.4	9	16	US-10-714-564A-325	Sequence 325, App
15	35	29.4	10	16	US-10-714-564A-326	Sequence 326, App
16	35	29.4	11	16	US-10-714-564A-327	Sequence 327, App
17	35	29.4	12	16	US-10-714-564A-328	Sequence 328, App
18	35	29.4	15	17	US-10-661-156-195	Sequence 195, App
19	35	29.4	20	14	US-10-225-567A-1734	Sequence 1734, App
20	34	28.6	7	16	US-10-714-564A-261	Sequence 261, App
21	34	28.6	7	16	US-10-714-564A-283	Sequence 283, App
22	34	28.6	7	16	US-10-714-564A-1326	Sequence 1326, App
23	34	28.6	8	16	US-10-714-564A-262	Sequence 262, App
24	34	28.6	8	16	US-10-714-564A-284	Sequence 284, App
25	34	28.6	9	16	US-10-714-564A-263	Sequence 263, App
26	34	28.6	9	16	US-10-714-564A-285	Sequence 285, App
27	34	28.6	10	13	US-10-100-952-154	Sequence 154, App
28	34	28.6	10	13	US-10-100-952-162	Sequence 162, App
29	34	28.6	10	16	US-10-714-564A-264	Sequence 264, App
30	34	28.6	10	16	US-10-714-564A-286	Sequence 286, App
31	34	28.6	10	16	US-10-714-564A-339	Sequence 339, App
32	34	28.6	10	16	US-10-714-564A-1329	Sequence 1329, App
33	34	28.6	11	13	US-10-100-952-138	Sequence 138, App
34	34	28.6	11	13	US-10-100-952-146	Sequence 146, App
35	34	28.6	11	16	US-10-714-564A-265	Sequence 265, App
36	34	28.6	11	16	US-10-714-564A-287	Sequence 287, App
37	34	28.6	11	16	US-10-714-564A-340	Sequence 340, App
38	34	28.6	11	16	US-10-714-564A-1330	Sequence 1330, App
39	34	28.6	12	16	US-10-363-204-213	Sequence 213, App
40	34	28.6	12	16	US-10-714-564A-266	Sequence 266, App
41	34	28.6	12	16	US-10-714-564A-288	Sequence 288, App
42	34	28.6	12	16	US-10-714-564A-341	Sequence 341, App
43	34	28.6	12	16	US-10-714-564A-345	Sequence 345, App
44	34	28.6	14	13	US-10-100-952-122	Sequence 122, App
45	34	28.6	14	13	US-10-100-952-130	Sequence 130, App

ALIGNMENTS

RESULT 1

US-10-354-240-73
; Sequence 73, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: US/10/354,240
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 73
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 59
US-10-354-240-73

Query Match 59.7%; Score 71; DB 14; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.0029;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANWVRSTQDSFNN 15
|:||||:|||||
Db 1 CSNWVWQSTQDFYV 15

RESULT 2
US-10-354-240-74
; Sequence 74, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60
US-10-354-240-74

Query Match 56.3%; Score 67; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.011;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 WRSTQDSFNNNGAYFV 20
|:||||:|||||
Db 1 WQSTQDVFYNGAYFV 15

RESULT 3
US-10-354-240-72
; Sequence 72, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 58
US-10-354-240-72

Query Match 47.9%; Score 57; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.29;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CANWVRSTQ 10
|:||||:|||||
Db 6 CSNWVWQSTQ 15

RESULT 4
US-10-354-240-75
; Sequence 75, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61
US-10-354-240-75

Query Match 34.5%; Score 41; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 56;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 DGFNNGAYFV 20
|:||||:|||||
Db 1 DVFYNGAYFV 10

RESULT 5
US-10-742-379-93
; Sequence 93, Application US/10742379
; Publication No. US20040181033A1
; GENERAL INFORMATION:
; APPLICANT: Han, HQ
; APPLICANT: Min, Hosung
; APPLICANT: Boone, Thomas Charles
; TITLE OF INVENTION: BINDING AGENTS WHICH INHIBIT MYOSTATIN
; FILE REFERENCE: A-828 (US)
; CURRENT APPLICATION NUMBER: US/10/742,379
; CURRENT FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/435,923
; PRIOR FILING DATE: 2002-12-20
; NUMBER OF SEQ ID NOS: 634
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 93
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Myostatin Binding Peptide
US-10-742-379-93

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Query Match      34.5%; Score 41; DB 16; Length 18;
Best Local Similarity 66.7%; Pred. No. 67;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANWVWRST 9
   |||||
Db 4 CANWGWRT 12

RESULT 6
US-10-468-496-1269
; Sequence 1269, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1269
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-1269

Query Match      34.0%; Score 40.5; DB 16; Length 13;
Best Local Similarity 63.6%; Pred. No. 58;
Matches 7; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 4 WWRSTQDSFN 14
   |||||
Db 2 WLWRSKAD-FN 11

RESULT 8
US-10-468-496-1271
; Sequence 1271, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
; PRIOR FILING DATE: 2001-02-19
; PRIOR APPLICATION NUMBER: 01105777.5
; PRIOR FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: 01106538.0
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01106536.4
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 01107012.5
; PRIOR FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: 01106899.6
; PRIOR FILING DATE: 2001-03-20
; NUMBER OF SEQ ID NOS: 2036
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1271
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MHC class II binding epitope
US-10-468-496-1271

Query Match      34.0%; Score 40.5; DB 16; Length 13;
Best Local Similarity 63.6%; Pred. No. 58;
Matches 7; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 4 WWRSTQDSFN 14
   |||||
Db 3 WLWRSKAD-FN 12

RESULT 7
US-10-468-496-1270
; Sequence 1270, Application US/10468496
; Publication No. US20040180386A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; APPLICANT: Jones, Tim
; APPLICANT: Williams, Stephen
; APPLICANT: Hamilton, Anita
; TITLE OF INVENTION: METHOD FOR IDENTIFICATION OF T-CELL
; TITLE OF INVENTION: EPITOPES AND USE FOR PREPARING MOLECULES WITH REDUCED
; FILE REFERENCE: MER-117
; CURRENT APPLICATION NUMBER: US/10/468,496
; CURRENT FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 01103954.2
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/ FEATURE:
/ OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-323

Query Match      29.4%; Score 35; DB 16; Length 7;
Best Local Similarity 66.7%; Pred. No. 1.6e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 CANVWV 6
      | :|||
Db      1 CRSWVW 6

RESULT 13
US-10-714-564A-324
; Sequence 324, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 324
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-324

Query Match      29.4%; Score 35; DB 16; Length 8;
Best Local Similarity 66.7%; Pred. No. 1.6e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 CANVWV 6
      | :|||
Db      1 CRSWVW 6

RESULT 14
US-10-714-564A-325
; Sequence 325, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 325
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-325

Query Match      29.4%; Score 35; DB 16; Length 9;
Best Local Similarity 66.7%; Pred. No. 1.6e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 CANVWV 6
      | :|||
Db      1 CRSWVW 6

RESULT 15
US-10-714-564A-326
; Sequence 326, Application US/10714564A
; Publication No. US20040175361A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
; FILE REFERENCE: 100086.418
; CURRENT FILING DATE: 2003-11-14
; NUMBER OF SEQ ID NOS: 1402
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 326
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Exemplary cyclic peptide
US-10-714-564A-326

Query Match      29.4%; Score 35; DB 16; Length 10;
Best Local Similarity 66.7%; Pred. No. 2.8e+02;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 CANVWV 6
      | :|||
Db      1 CRSWVW 6

Search completed: June 20, 2005, 16:29:57
Job time : 73.4 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
(without alignment)
69.120 Million cell updates/sec

Title: US-09-202-464-32

Perfect score: 119

Sequence: 1 CANWVRSTQDSFNNGAYFV 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	71	59.7	15	4	US-09-142-524D-72
3	67	56.3	15	4	US-09-142-524D-74
4	57	47.9	15	4	US-09-142-524D-72
5	57	47.9	20	3	US-08-467-023-54
6	41	34.5	15	4	US-09-142-524D-75
7	41	34.5	20	3	US-08-467-023-56
8	37	31.1	20	2	US-08-934-915-107
9	34	28.6	10	1	US-08-433-318A-138
10	34	28.6	10	1	US-08-433-318A-146
11	34	28.6	10	2	US-08-922-048-138
12	34	28.6	10	2	US-08-922-048-146
13	34	28.6	10	4	US-09-111-681C-154
14	34	28.6	10	4	US-09-111-681C-162
15	34	28.6	10	5	PCT-US96-06270-138
16	34	28.6	10	5	PCT-US96-06270-146
17	34	28.6	11	1	US-08-433-318A-122
18	34	28.6	11	1	US-08-433-318A-130
19	34	28.6	11	2	US-08-922-048-122
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22	34	28.6	11	4	US-09-111-681C-146
23	34	28.6	11	5	PCT-US96-06270-122
24	34	28.6	11	5	PCT-US96-06270-130
25	34	28.6	14	1	US-08-433-318A-106
26	34	28.6	14	1	US-08-433-318A-114
27	34	28.6	14	1	US-08-433-318A-169

28	34	28.6	14	1	US-08-433-318A-177	Sequence 177, App
29	34	28.6	14	2	US-08-922-048-106	Sequence 106, App
30	34	28.6	14	2	US-08-922-048-114	Sequence 114, App
31	34	28.6	14	2	US-08-922-048-169	Sequence 169, App
32	34	28.6	14	2	US-08-922-048-177	Sequence 177, App
33	34	28.6	14	4	US-09-111-681C-122	Sequence 122, App
34	34	28.6	14	4	US-09-111-681C-130	Sequence 130, App
35	34	28.6	14	4	US-09-111-681C-185	Sequence 185, App
36	34	28.6	14	4	US-09-111-681C-193	Sequence 193, App
37	34	28.6	14	5	PCT-US96-06270-106	Sequence 106, App
38	34	28.6	14	5	PCT-US96-06270-114	Sequence 114, App
39	34	28.6	14	5	PCT-US96-06270-169	Sequence 169, App
40	34	28.6	14	5	PCT-US96-06270-177	Sequence 177, App
41	34	28.6	15	1	US-08-433-318A-90	Sequence 90, App1
42	34	28.6	15	1	US-08-433-318A-98	Sequence 98, App1
43	34	28.6	15	1	US-08-433-318A-133	Sequence 133, App
44	34	28.6	15	1	US-08-433-318A-161	Sequence 161, App
45	34	28.6	15	2	US-08-922-048-90	Sequence 90, App1

ALIGNMENTS

RESULT 1

US-08-467-023-55
; Sequence 55, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-55

Query Match 82.4%; Score 98; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 3.le-08;
Matches 16; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANVWRSTQDSFNNGYFV 20
|:||||:|||||
Db 1 CSNWWQSTQDVFNNGYFV 20

RESULT 2

US-09-142-524D-73
; Sequence 73, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 73
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 59
US-09-142-524D-73

Query Match 59.7%; Score 71; DB 4; Length 15;
Best Local Similarity 73.3%; Pred. No. 0.00025;
Matches 11; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANVWRSTQDSFNN 15
|:||||:|||||
Db 1 CSNWWQSTQDVFN 15

RESULT 3

US-09-142-524D-74
; Sequence 74, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60
US-09-142-524D-74

Query Match 56.3%; Score 67; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0001;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 WRSTQDSFNNGYFV 20
|:||||:|||||
Db 1 WQSTQDVFNNGYFV 15

RESULT 4

US-09-142-524D-72
; Sequence 72, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 58
US-09-142-524D-72

Query Match 47.9%; Score 57; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.032;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CANVWRSTQ 10
|:||||:|||||
Db 6 CSNWWQSTQ 15

RESULT 5

US-08-467-023-54
; Sequence 54, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-54

Query Match 47.9%; Score 57; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.044;
Matches 8; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CANWVRSTQ 10
Db 11 CSNWVQSTQ 20

RESULT 6
US-09-142-524D-75
; Sequence 75, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akino
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61
US-09-142-524D-75

Query Match 34.5%; Score 41; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 8;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 DSNFNGAYFV 20
Db 1 DVFYNGAYFV 10
```

```
RESULT 7
US-08-467-023-56
; Sequence 56, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D.;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-56

Query Match 34.5%; Score 41; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 11;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 DSNFNGAYFV 20
Db 1 DVFYNGAYFV 10

RESULT 8
US-08-934-915-107
; Sequence 107, Application US/08934915
; Patent No. 5932412
; GENERAL INFORMATION:
; APPLICANT: DILLNER, JOAKIM
; APPLICANT: DILLNER, LENA
; APPLICANT: CHENG, HWEE-MING
; TITLE OF INVENTION: SYNTHETIC PEPTIDES OF HUMAN
; TITLE OF INVENTION: PAPILLOMAVIRUS 1, 5, 6, 8,
; TITLE OF INVENTION: 11, 16, 18, 31, 33 AND 56,
```

```
/ / TITLE OF INVENTION: USEFUL IN IMMUNOASSAY FOR
/ / TITLE OF INVENTION: DIAGNOSTIC PURPOSES
/ / NUMBER OF SEQUENCES: 193
/ / CORRESPONDENCE ADDRESS:
/ / ADDRESSEE: MASON & ASSOCIATES, P.A.
/ / STREET: 17757 U.S. HWY. 19 NORTH, SUITE 500
/ / CITY: CLEARWATER
/ / STATE: FLORIDA
/ / COUNTRY: U.S.A.
/ / COMPUTER READABLE FORM:
/ / MEDIUM TYPE: Floppy disk
/ / COMPUTER: IBM PC compatible
/ / OPERATING SYSTEM: Windows 3.0
/ / SOFTWARE: Microsoft Word 6.0
/ / CURRENT APPLICATION DATA:
/ / APPLICATION NUMBER: US/08/934,915
/ / FILING DATE: 22-SEP-1997
/ / CLASSIFICATION: 435
/ / PRIOR APPLICATION DATA:
/ / APPLICATION NUMBER: 07/949,836
/ / FILING DATE:
/ / ATTORNEY/AGENT INFORMATION:
/ / NAME: LOUISE A. Foutch
/ / REGISTRATION NUMBER: 37,133
/ / REFERENCE/DOCKET NUMBER: 1946.6
/ / TELECOMMUNICATION INFORMATION:
/ / TELEPHONE: 813-538-3800
/ / TELEFAX: 813-538-3820
/ / TELEX:
/ / INFORMATION FOR SEQ ID NO: 107:
/ / SEQUENCE CHARACTERISTICS:
/ / LENGTH: 20 amino acids
/ / TYPE: amino acid
/ / TOPOLOGY: linear
/ / MOLECULE TYPE: peptide
/ / US-08-934-915-107

Query Match 31.1%; Score 37; DB 2; Length 20;
Best Local Similarity 57.1%; Pred. No. 44;
Matches 8; Conservative 1; Mismatches 3; Indels 2; Gaps 1;

QY 4 WWRST--QDSFNN 15
| : | | | | |
Db 1 WIQRTVLQHSFNN 14

RESULT 9
US-08-433-318A-138
; Sequence 138, Application US/08433318A
; Patent No. 5663144
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
; TITLE OF INVENTION: METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 5663144ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WORDPERFECT 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,318A
; FILING DATE: 03-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark Deluca
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: UPN-2106
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 146:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-433-318A-146

Query Match 28.6%; Score 34; DB 1; Length 10;
Best Local Similarity 66.7%; Pred. No. 58;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

/ / APPLICATION NUMBER:
/ / FILING DATE:
/ / ATTORNEY/AGENT INFORMATION:
/ / NAME: Mark Deluca
/ / REGISTRATION NUMBER: 33,229
/ / REFERENCE/DOCKET NUMBER: UPN-2106
/ / TELECOMMUNICATION INFORMATION:
/ / TELEPHONE: (215) 568-3100
/ / TELEFAX: (215) 568-3439
/ / INFORMATION FOR SEQ ID NO: 138:
/ / SEQUENCE CHARACTERISTICS:
/ / LENGTH: 10
/ / TYPE: amino acid
/ / TOPOLOGY: unknown
/ / MOLECULE TYPE: peptide
/ / US-08-433-318A-138

Query Match 28.6%; Score 34; DB 1; Length 10;
Best Local Similarity 66.7%; Pred. No. 58;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CANWVW 6
| | | |
Db 2 CENWEW 7

RESULT 10
US-08-433-318A-146
; Sequence 146, Application US/08433318A
; Patent No. 5663144
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
; TITLE OF INVENTION: METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 5663144ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WORDPERFECT 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,318A
; FILING DATE: 03-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark Deluca
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: UPN-2106
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 146:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-433-318A-146

Query Match 28.6%; Score 34; DB 1; Length 10;
Best Local Similarity 66.7%; Pred. No. 58;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1 CANVW 6
Db 2 CENW 7

RESULT 11

US-08-922-048-138

; Sequence 138, Application US/08922048
; Patent No. 5919764
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
; METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 5919764ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WORDPERFECT 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/922,048
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/433,318
; FILING DATE: 03-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark DeLuca
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: UPN-2106
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-922-048-138

QY 1 CANVW 6

Db 2 CENW 7

RESULT 12

US-08-922-048-146

; Sequence 146, Application US/08922048
; Patent No. 5919764
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
; METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
; ADDRESSEE: No. 5919764ris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: WORDPERFECT 6
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/922,048
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/433,318
; FILING DATE: 03-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark DeLuca
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: UPN-2106
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-922-048-138

QY 1 CANVW 6

Db 2 CENW 7

RESULT 13

US-09-111-681C-154

; Sequence 154, Application US/09111681C
; Patent No. 6417168
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: O'Rourke, Donald M.
; APPLICANT: Murali, Ramachandran
; APPLICANT: Park, Byeong Woo
; TITLE OF INVENTION: Compositions And Methods Of Treating Tumors
; FILE REFERENCE: UPN3458
; CURRENT APPLICATION NUMBER: US/09/111,681C
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: 60/076,788
; PRIOR FILING DATE: 1998-03-04
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-111-681C-154

QY 1 CANVW 6

Db 2 CENW 7

RESULT 14

US-09-111-681C-154

; Sequence 154, Application US/09111681C
; Patent No. 6417168
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: O'Rourke, Donald M.
; APPLICANT: Murali, Ramachandran
; APPLICANT: Park, Byeong Woo
; TITLE OF INVENTION: Compositions And Methods Of Treating Tumors
; FILE REFERENCE: UPN3458
; CURRENT APPLICATION NUMBER: US/09/111,681C
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: 60/076,788
; PRIOR FILING DATE: 1998-03-04
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-111-681C-154

QY 1 CANVW 6

Db 2 CENW 7

RESULT 15

US-09-111-681C-154

; Sequence 154, Application US/09111681C
; Patent No. 6417168
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: O'Rourke, Donald M.
; APPLICANT: Murali, Ramachandran
; APPLICANT: Park, Byeong Woo
; TITLE OF INVENTION: Compositions And Methods Of Treating Tumors
; FILE REFERENCE: UPN3458
; CURRENT APPLICATION NUMBER: US/09/111,681C
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: 60/076,788
; PRIOR FILING DATE: 1998-03-04
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 154
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-111-681C-154

QY 1 CANVW 6

Db 2 CENW 7

RESULT 14

US-09-111-681C-162
; Sequence 162, Application US/09111681C
; Patent No. 6417168
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: O'Rourke, Donald M.
; APPLICANT: Murali, Ramachandran
; APPLICANT: Park, Byoung Woo
; TITLE OF INVENTION: Compositions And Methods Of Treating Tumors
; FILE REFERENCE: UPN3458
; CURRENT APPLICATION NUMBER: US/09/111,681C
; CURRENT FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: 60/076,788
; PRIOR FILING DATE: 1998-03-04
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 162
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-111-681C-162

Query Match 28.6%; Score 34; DB 4; Length 10;
Best Local Similarity 66.7%; Pred. No. 58;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANWVW 6
| | | |
Db 2 CENWEW 7

RESULT 15

PCT-US96-06270-138
; Sequence 138, Application PC/TUS9606270
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: Zhang, Xin
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND
; TITLE OF INVENTION: METHODS OF USING THE SAME
; NUMBER OF SEQUENCES: 184
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
; STREET: One Liberty Place - 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/06270
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/433,318
; FILING DATE: 03-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark DeLuca
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: UPN-2748
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10
; TYPE: amino acid

; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
PCT-US96-06270-138

Query Match 28.6%; Score 34; DB 5; Length 10;
Best Local Similarity 66.7%; Pred. No. 58;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CANWVW 6
| | | |
Db 2 CENWEW 7

Search completed: June 20, 2005, 16:00:52
Job time : 21.6 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 15:55:27 ; Search time 72.4 Seconds
(without alignments)
106.072 Million cell updates/sec

Title: US-09-202-464-33

Perfect score: 106

Sequence: 1 DSNNGAYFVSSCKNGWTNI 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	63	59.4	15	14	US-10-354-240-76
2	60	56.6	15	14	US-10-354-240-75
3	51	48.1	20	14	US-10-354-240-12
4	41	38.7	15	14	US-10-354-240-74
5	37	34.9	8	9	US-09-962-445-15
6	36	34.0	15	14	US-10-354-240-77
7	36	34.0	20	14	US-10-216-484-41
8	36	34.0	20	14	US-10-384-933-41
9	35	33.0	15	17	US-10-654-601-2100
10	33	31.1	19	14	US-10-082-014-147
11	33	31.1	19	14	US-10-372-076-177

12	33	31.1	19	16	US-10-677-074-177	Sequence 177, Appl
13	32	30.2	20	10	US-09-991-433-39	Sequence 39, Appl
14	32	30.2	20	10	US-09-880-748-3131	Sequence 3131, Ap
15	32	30.2	20	15	US-10-293-418-3131	Sequence 3131, Ap
16	31	29.2	18	9	US-09-864-761-37786	Sequence 37786, A
17	31	29.2	20	16	US-10-776-013-314	Sequence 314, App
18	30	28.3	9	16	US-10-657-022-138	Sequence 138, App
19	30	28.3	10	16	US-10-657-022-137	Sequence 137, App
20	30	28.3	13	16	US-10-468-496-937	Sequence 937, App
21	30	28.3	13	17	US-10-882-241-15	Sequence 15, Appl
22	30	28.3	19	9	US-09-839-666-4	Sequence 4, Appl
23	30	28.3	19	14	US-10-234-579-4	Sequence 4, Appl
24	30	28.3	19	15	US-10-372-735-46	Sequence 46, Appl
25	30	28.3	20	14	US-10-225-567A-1734	Sequence 89, Appl
26	30	28.3	20	17	US-10-612-468A-89	Sequence 93, Appl
27	30	28.3	20	17	US-10-612-468A-93	Sequence 12, Appl
28	29.5	27.8	15	14	US-10-235-483-12	Sequence 1016, Ap
29	29	27.4	13	14	US-10-226-007-1016	Sequence 70, Appl
30	29	27.4	13	14	US-10-153-244-70	Sequence 133, App
31	29	27.4	13	14	US-10-153-244-133	Sequence 183, App
32	29	27.4	13	14	US-10-153-244-183	Sequence 233, App
33	29	27.4	13	14	US-10-153-244-233	Sequence 1017, Ap
34	29	27.4	14	14	US-10-226-007-1017	Sequence 1030, Ap
35	29	27.4	14	14	US-10-186-867-32	Sequence 32, Appl
36	29	27.4	15	14	US-10-226-007-1018	Sequence 1018, Ap
37	29	27.4	15	14	US-10-226-007-1031	Sequence 1031, Ap
38	29	27.4	15	14	US-10-226-007-1031	Sequence 1044, Ap
39	29	27.4	16	14	US-10-226-007-1044	Sequence 1019, Ap
40	29	27.4	16	14	US-10-226-007-1019	Sequence 1032, Ap
41	29	27.4	16	14	US-10-226-007-1032	Sequence 1045, Ap
42	29	27.4	16	14	US-10-226-007-1045	Sequence 1058, Ap
43	29	27.4	16	14	US-10-226-007-1058	Sequence 19, Appl
44	29	27.4	17	9	US-09-873-409-19	Sequence 1020, Ap
45	29	27.4	17	14	US-10-226-007-1020	

ALIGNMENTS

RESULT 1

US-10-354-240-76
; Sequence 76, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Some, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62
US-10-354-240-76

Query Match 59.4%; Score 63; DB 14; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.011;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 6 GAYFVSSGKNEGNTNI 20
| | | | | | | | | | | | | |
Db 1 GAYFVSSGKYEGGNI 15

RESULT 2

US-10-354-240-75
; Sequence 75, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61
US-10-354-240-75

Query Match 56.6%; Score 60; DB 14; Length 15;
Best Local Similarity 85.7%; Pred. No. 0.032;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DSNFNGAYFVSSGK 14
| | | | | | | | | | | | | |
Db 1 DVFYNGAYFVSSGK 14

RESULT 3

US-10-354-240-12
; Sequence 12, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-12

Query Match 48.1%; Score 51; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 SSGKNEGNTNI 20
| | | | | | | | | | | | | |
Db 1 SSGKNEGNTNI 10

RESULT 4

US-10-354-240-74
; Sequence 74, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60
US-10-354-240-74

Query Match 38.7%; Score 41; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 24;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 DSNFNGAYFV 10
| | | | | | | | | | | |
Db 6 DVFYNGAYFV 15

RESULT 5

US-09-962-445-15
; Sequence 15, Application US/09962445
; Publication No. US20020192705A1
; GENERAL INFORMATION:
; APPLICANT: MATSUSHITA, Sho et al.
; TITLE OF INVENTION: Clonal Expansion of T Cells of Unknown Specificity and Identification of Antigenic Peptides
; FILE REFERENCE: 0020-4906P
; CURRENT APPLICATION NUMBER: US/09/962,445
; CURRENT FILING DATE: 2001-12-28
; PRIOR APPLICATION NUMBER: JP 2001-79621
; PRIOR FILING DATE: 2001-03-21
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Japanese cedar pollen
US-09-962-445-15

Query Match 34.9%; Score 37; DB 9; Length 8;
Best Local Similarity 87.5%; Pred. No. 1.6e+06;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 FNFNGAYFV 10
| | | | | | | | | | | |
Db 1 FNFNGAYFV 8

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RESULT 6
US-10-354-240-77
; Sequence 77, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toeshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-10301
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63
US-10-354-240-77

Query Match          34.0%; Score 36; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 SSGKNEGTNI 20
Db 1 SSGKYEGGNI 10

RESULT 7
US-10-216-484-41
; Sequence 41, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976Alufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 41
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-216-484-41

Query Match          34.0%; Score 36; DB 14; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.9e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 SSGKNEGTNI 20
Db 1 SSGKYEGGNI 10

RESULT 8
US-10-384-933-41
; Sequence 41, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817Alufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 41
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-41

Query Match          34.0%; Score 36; DB 14; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.9e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 SSGKNEGTNI 20
Db 1 SSGKYEGGNI 10

RESULT 9
US-10-654-601-2100
; Sequence 2100, Application US/10654601
; Publication No. US20050063983A1
; GENERAL INFORMATION:
; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Vitello, Maria A.
; APPLICANT: Livingston, Brian D.
; APPLICANT: Celis, Esteban
; APPLICANT: Kubo, Ralph T.
; APPLICANT: Grey, Howard M.
; APPLICANT: Chesnut, Robert
; APPLICANT: Epimmune Inc.
; TITLE OF INVENTION: Inducing Cellular Immune Responses to Hepatitis B Virus
; FILE REFERENCE: 2060.0060007
; CURRENT APPLICATION NUMBER: US/10/654,601
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/239,043
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: US 08/978,291
; PRIOR FILING DATE: 1997-11-25
; PRIOR APPLICATION NUMBER: US 08/820,360
; PRIOR FILING DATE: 1997-03-12
; PRIOR APPLICATION NUMBER: US 60/013,363
; PRIOR FILING DATE: 1996-03-13
; PRIOR APPLICATION NUMBER: US 08/461,603
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: US 08/347,610
; PRIOR FILING DATE: 1994-12-01
; PRIOR APPLICATION NUMBER: US 08/344,824
; PRIOR FILING DATE: 1994-11-23
; PRIOR APPLICATION NUMBER: US 08/278,634
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; PRIOR FILING DATE: 1994-07-21
; PRIOR APPLICATION NUMBER: US 08/205,713
; PRIOR FILING DATE: 1994-03-04
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2579
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2100
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Orthohepadnaviridae hepatitis B virus
US-10-654-601-2100

Query Match 33.1%; Score 35; DB 17; Length 15;
Best Local Similarity 46.2%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 6 GAYFVSSGKNEGT 18
: : : : :
Db 1 GLYFPAGSSSGT 13

RESULT 10
US-10-082-014-147
; Sequence 147, Application US/10082014
; Publication No. US20030185858A1
; GENERAL INFORMATION:
; APPLICANT: Birkett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CY
; FILE REFERENCE: ICC-130.0 4564/85124
; CURRENT APPLICATION NUMBER: US/10/082,014
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 09/930,915
; PRIOR FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 147
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-10-082-014-147

Query Match 31.1%; Score 33; DB 14; Length 19;
Best Local Similarity 41.7%; Pred. No. 5.1e+02;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SFNNGAYFVSSG 13
: : : : :
Db 1 NYKNGGFFVQYG 12

RESULT 11
US-10-372-076-177
; Sequence 177, Application US/10372076
; Publication No. US20030198645A1
; GENERAL INFORMATION:
; APPLICANT: Page, Mark
; APPLICANT: Friede, Martin
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; TITLE OF INVENTION: CHRONIC HEPATITIS
; FILE REFERENCE: 4564/87179
; CURRENT APPLICATION NUMBER: US/10/372,076
; CURRENT FILING DATE: 2003-02-21
; PRIOR FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 10/080,299
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/082,014
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 177
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-10-372-076-177

Query Match 31.1%; Score 33; DB 14; Length 19;
Best Local Similarity 41.7%; Pred. No. 5.1e+02;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SFNNGAYFVSSG 13
: : : : :
Db 1 NYKNGGFFVQYG 12

RESULT 12
US-10-677-074-177
; Sequence 177, Application US/10677074
; Publication No. US20040156863A1
; GENERAL INFORMATION:
; APPLICANT: Page, Mark
; APPLICANT: Friede, Martin
; APPLICANT: Schmidt, Annette Elisabeth
; APPLICANT: Stober, Detlef
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; TITLE OF INVENTION: CHRONIC HEPATITIS
; FILE REFERENCE: 4564/87179
; CURRENT APPLICATION NUMBER: US/10/677,074
; CURRENT FILING DATE: 2003-10-01
; PRIOR APPLICATION NUMBER: 10/372,076
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/080,299
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/082,014
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 177
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Neisseria meningitidis
US-10-677-074-177

Query Match 31.1%; Score 33; DB 16; Length 19;
Best Local Similarity 41.7%; Pred. No. 5.1e+02;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SFNNGAYFVSSG 13
: : : : :
Db 1 NYKNGGFFVQYG 12

RESULT 13
US-09-991-433-39
; Sequence 39, Application US/09991433
; Publication No. US20030017596A1
; GENERAL INFORMATION:
; APPLICANT: Broliden, Kristina
; APPLICANT: Westgren, Magnus
; TITLE OF INVENTION: USE OF PARVOVIRUS CAPSID PARTICLES IN
; TITLE OF INVENTION: THE INHIBITION OF CELL PROLIFERATION AND MIGRATION
; FILE REFERENCE: TRIPEP.019CPI
; CURRENT APPLICATION NUMBER: US/09/991,433
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: US 09/447,693
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: SE 9804022-3
; PRIOR FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide fragments derived from parvovirus capsid
US-09-991-433-39

Query Match 30.2%; Score 32; DB 10; Length 20;
Best Local Similarity 44.4%; Pred. No. 7.6e+02;
Matches 8; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

QY 1 DSNNGAYFVSSGNGECT 18
||| :|||
Db 3 DSSNTGAGKALTGLSTGT 20

RESULT 14

US-09-880-748-3131
; Sequence 3131, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3131
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-3131

Query Match 30.2%; Score 32; DB 10; Length 20;
Best Local Similarity 53.8%; Pred. No. 7.6e+02;
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 DSNNGAYFVSSG 13
||| :|||
Db 5 DRWSGGYFHYSG 17

RESULT 15

US-10-293-418-3131
; Sequence 3131, Application US/10293418
; Publication No. US2003023996A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523p2
; CURRENT APPLICATION NUMBER: US/10/293,418
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247

; SEQ ID NO 3131
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-3131

Query Match 30.2%; Score 32; DB 15; Length 20;
Best Local Similarity 53.8%; Pred. No. 7.6e+02;
Matches 7; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 DSNNGAYFVSSG 13
||| :|||
Db 5 DRWSGGYFHYSG 17

Search completed: June 20, 2005, 16:29:57
Job time : 72.4 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
(without alignments)
69.120 Million cell updates/sec

Title: US-09-202-464-33

Perfect score: 106

Sequence: 1 DSNNGAYFVSSKNEGTVI 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*

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- 2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
- 3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/prodata/1/iaa/PCFUS_COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	77	72.6	20	3	US-08-467-023-56
2	63	59.4	15	4	US-09-142-524D-76
3	60	56.6	15	4	US-09-142-524D-75
4	51	48.1	20	4	US-09-142-524D-12
5	41	38.7	15	4	US-09-142-524D-74
6	41	38.7	20	3	US-08-467-023-55
7	36	34.0	15	4	US-09-142-524D-77
8	36	34.0	20	1	US-08-290-448A-54
9	36	34.0	20	1	US-08-290-448A-54
10	36	34.0	20	1	US-08-175-069A-54
11	36	34.0	20	3	US-08-467-023-57
12	36	34.0	20	3	US-08-461-939B-54
13	36	34.0	20	3	US-08-464-000-54
14	35	33.0	15	4	US-09-239-043D-2100
15	35	33.0	19	4	US-08-302-756B-5
16	35	33.0	20	1	US-07-987-286-18
17	35	33.0	20	2	US-08-614-626-18
18	34	32.1	16	3	US-09-074-912-8
19	34	32.1	16	3	US-09-290-136-8
20	33	31.1	13	6	5168051-13
21	33	31.1	13	6	5168051-13
22	32	30.2	20	2	US-08-493-235-31
23	32	30.2	20	4	US-09-991-433-39
24	31	29.2	14	1	US-08-475-989-16
25	31	29.2	14	2	US-08-475-985-16
26	31	29.2	14	3	US-08-256-839-16
27	31	29.2	20	3	US-09-058-483-17

Sequence 127, App
Sequence 4, Appli
Sequence 4, Appli
Sequence 4, Appli
Sequence 12, Appl
Sequence 12, Appl
Sequence 12, Appl
Sequence 19, Appl
Sequence 19, Appl
Sequence 236, App
Sequence 236, App
Sequence 236, App
Sequence 236, App
Sequence 20, Appl
Sequence 13, Appl

28 30.5 28.8 19 2 US-08-811-492-127
29 30 28.3 19 2 US-08-737-085A-4
30 30 28.3 19 3 US-09-246-258-4
31 30 28.3 19 3 US-09-532-106-4
32 30 28.3 19 4 US-09-839-666-4
33 29.5 27.8 15 2 US-08-630-645-12
34 29.5 27.8 15 4 US-08-766-596A-12
35 29.5 27.8 15 5 PCT-US96-10220-12
36 29 27.4 11 2 US-08-618-696-19
37 29 27.4 11 3 US-09-033-753-19
38 29 27.4 20 4 US-09-643-597-236
39 29 27.4 20 4 US-09-480-884A-236
40 29 27.4 20 4 US-09-542-615A-236
41 29 27.4 20 4 US-09-606-421B-236
42 29 27.4 20 4 US-09-476-496A-236
43 29 27.4 20 4 US-09-630-940B-236
44 28 26.4 12 4 US-09-831-500A-20
45 28 26.4 12 4 US-09-929-266-13

ALIGNMENTS

RESULT 1
US-08-467-023-56
; Sequence 56, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian P.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IM1-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-56

Query Match 72.6%; Score 77; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 3.6e-05;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 DSNNGAYFVSSGKNEGNTNI 20
| | | | | | | | | | | | | | | | | |
Db 1 DVFYNGAYFVSSGKYGEGNI 20

RESULT 2

US-09-142-524D-76
; Sequence 76, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62
US-09-142-524D-76

Query Match 59.4%; Score 63; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.0034; 2; Indels 0; Gaps 0;
Matches 13; Conservative 0; Mismatches 2;

QY 6 GAYFVSSGKNEGNTNI 20
| | | | | | | | | | | | | | | | | |
Db 1 GAYFVSSGKYGEGNI 15

RESULT 3

US-09-142-524D-75
; Sequence 75, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 61
US-09-142-524D-75

Query Match 56.6%; Score 60; DB 4; Length 15;
Best Local Similarity 85.7%; Pred. No. 0.0096; 2; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 2;

QY 1 DSNNGAYFVSSGK 14
| | | | | | | | | | | | | | | | | |
Db 1 DVFYNGAYFVSSGK 14

RESULT 4

US-09-142-524D-12
; Sequence 12, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-12

Query Match 48.1%; Score 51; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 SSGKNEGNTNI 20
| | | | | | | | | | | | | | | | | |
Db 1 SSGKNEGNTNI 10

RESULT 5

US-09-142-524D-74
; Sequence 74, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 60
US-09-142-524D-74

Query Match 38.7%; Score 41; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 7;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 DSNFNGAYFV 10
| | | | |
Db 6 DVFYNGAYFV 15

RESULT 6
US-08-467-023-55
; Sequence 55, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38, 872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-467-023-55

Query Match 38.7%; Score 41; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 9.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 DSNFNGAYFV 10
| | | | |
Db 11 DVFYNGAYFV 20

RESULT 7
US-09-142-524D-77
; Sequence 77, Application US/09142524D

; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinoi
; APPLICANT: Daiiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/Jp97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63
US-09-142-524D-77

Query Match 34.0%; Score 36; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 40;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 11 SSGKNEGNI 20
| | | | |
Db 1 SSGKYEAGNI 10

RESULT 8
US-08-290-448A-54
; Sequence 54, Application US/08290448A
; Patent No. 5676954
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,448A
; FILING DATE: August 15, 1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: May 29, 1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: March 17, 1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 54:

/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/ US-08-290-448A-54

Query Match 34.0%; Score 36; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 55;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 NGAYFVSSG 13
||| |||:
Db 3 NGAIFVASG 11

RESULT 9

US-08-290-448A-54
/ Sequence 54, Application US/08290448A
/ Patent No. 5698204
/ GENERAL INFORMATION:
/ APPLICANT: Rogers, Bruce
/ APPLICANT: Klapper, David G.
/ APPLICANT: Rafnar, Thorunn
/ APPLICANT: Kuo, Mei-chang
/ TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
/ NUMBER OF SEQUENCES: 93
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: LAHIVE & COCKFIELD
/ STREET: 60 State Street, suite 510
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 02109-1875
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/290,448A
/ FILING DATE: August 15, 1994
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/529,951
/ FILING DATE: May 29, 1990
/ APPLICATION NUMBER: US 07/325,365
/ FILING DATE: March 17, 1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Amy E. Mandragouras
/ REGISTRATION NUMBER: 36,207
/ REFERENCE/DOCKET NUMBER: IMI-018CN
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617)227-7400
/ TELEFAX: (617)227-5941
/ INFORMATION FOR SEQ ID NO: 54:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/ US-08-290-448A-54

Query Match 34.0%; Score 36; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 55;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 NGAYFVSSG 13
||| |||:
Db 3 NGAIFVASG 11

RESULT 10

US-08-175-069A-54
/ Sequence 54, Application US/08175069A
/ Patent No. 5776761
/ GENERAL INFORMATION:
/ APPLICANT: Rogers, Bruce
/ APPLICANT: Klapper, David G.
/ APPLICANT: Rafnar, Thorunn
/ APPLICANT: Kuo, Mei-chang
/ TITLE OF INVENTION: Allergenic Proteins From Ragweed and Uses
/ NUMBER OF SEQUENCES: 93
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: LAHIVE & COCKFIELD, LLP
/ STREET: 60 State Street
/ CITY: Boston
/ STATE: Massachusetts
/ COUNTRY: USA
/ ZIP: 02109-1875
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/175,069A
/ FILING DATE: December 29, 1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/529,951
/ FILING DATE: May 29, 1990
/ APPLICATION NUMBER: US 07/325,365
/ FILING DATE: March 17, 1989
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Amy E. Mandragouras
/ REGISTRATION NUMBER: 36,207
/ REFERENCE/DOCKET NUMBER: IMI-018DV
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617)227-7400
/ TELEFAX: (617)227-5941
/ INFORMATION FOR SEQ ID NO: 54:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/ US-08-175-069A-54

Query Match 34.0%; Score 36; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 55;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 NGAYFVSSG 13
||| |||:
Db 3 NGAIFVASG 11

RESULT 11

US-08-467-023-57
/ Sequence 57, Application US/08467023
/ Patent No. 6090386
/ GENERAL INFORMATION:
/ APPLICANT: Griffeth, Irwin J.;
/ APPLICANT: Pollock, Joanne;
/ APPLICANT: Bond, Julian F.;
/ APPLICANT: Garman, Richard D;
/ APPLICANT: Kuo, Mei-Chang;
/ APPLICANT: Yeung, Siu-mei H.;
/ APPLICANT: Brauer, Andrew;
/ APPLICANT: Exley, Mark A.;
/ APPLICANT: Powers, Steven P.
/ TITLE OF INVENTION: Allergenic Proteins And Peptides From
/ Japanese Cedar Pollen
/ NUMBER OF SEQUENCES: 261

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-57

Query Match 34.0% Score 36; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 55;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 11 SSGKNEGTNI 20
|||||
Db 1 SSGKYEGNI 10

RESULT 12
US-08-461-939B-54
; Sequence 54, Application US/08461939B
; Patent No. 6335019
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Methods For Treating Sensitivity To A
; TITLE OF INVENTION: Protein Allergen Using Peptides which Include A T Cell Epitope
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,939B
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/464,000

; FILING DATE: 05-JUN-1995
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CNDV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-461-939B-54

Query Match 34.0% Score 36; DB 3; Length 20;
Best Local Similarity 77.8%; Pred. No. 55;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 NGAYFVSSG 13
|||||
Db 3 NGAIFVAGS 11

RESULT 13
US-08-464-000-54
; Sequence 54, Application US/08464000
; Patent No. 6335020
; GENERAL INFORMATION:
; APPLICANT: Rogers, Bruce
; APPLICANT: Klapper, David G.
; APPLICANT: Rafnar, Thorunn
; APPLICANT: Kuo, Mei-chang
; TITLE OF INVENTION: Allergenic Peptides from Ragweed Pollen
; NUMBER OF SEQUENCES: 93
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,000
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/290,448
; FILING DATE: 15-AUG-1994
; APPLICATION NUMBER: US 07/529,951
; FILING DATE: 29-MAY-1990
; APPLICATION NUMBER: US 07/325,365
; FILING DATE: 17-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Amy E. Mandragouras
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: IMI-018CN2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 54:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-464-000-54

Query Match 34.0%; Score 36; DB 3; Length 20;
Best Local Similarity 77.8%; Pred. No. 55;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 NGAYFVSSG 13
||| |||:
Db 3 NGAIFVASG 11

RESULT 14

US-09-239-043D-2100
; Sequence 2100, Application US/09239043D
; Patent No. 6689363

; GENERAL INFORMATION:

; APPLICANT: Sette, Alessandro
; APPLICANT: Sidney, John
; APPLICANT: Southwood, Scott
; APPLICANT: Vitello, Maria A.
; APPLICANT: Livingston, Brian D.
; APPLICANT: Celis, Esteban
; APPLICANT: Kubo, Ralph T.
; APPLICANT: Grey, Howard M.
; APPLICANT: Chesnut, Robert
; APPLICANT: Epimmune Inc.

; TITLE OF INVENTION: Inducing Cellular Immune Responses to Hepatitis B Virus
; FILE REFERENCE: 2060.0060007 US/09/239,043D

; CURRENT APPLICATION NUMBER: US/09/239,043D
; CURRENT FILING DATE: 1999-01-27

; PRIOR APPLICATION NUMBER: US 09/189,702
; PRIOR FILING DATE: 1998-11-10

; PRIOR APPLICATION NUMBER: US 08/978,291

; PRIOR FILING DATE: 1997-11-25

; PRIOR APPLICATION NUMBER: US 08/820,360

; PRIOR FILING DATE: 1997-03-12

; PRIOR APPLICATION NUMBER: US 60/013,363

; PRIOR FILING DATE: 1996-03-13

; PRIOR APPLICATION NUMBER: US 08/461,603

; PRIOR FILING DATE: 1995-06-05

; PRIOR APPLICATION NUMBER: US 08/347,610

; PRIOR FILING DATE: 1994-12-01

; PRIOR APPLICATION NUMBER: US 08/344,824

; PRIOR FILING DATE: 1994-11-23

; PRIOR APPLICATION NUMBER: US 08/278,634

; PRIOR FILING DATE: 1994-07-21

; PRIOR APPLICATION NUMBER: US 08/205,713

; PRIOR FILING DATE: 1994-03-04

; PRIOR APPLICATION NUMBER: US 08/197,484

; PRIOR FILING DATE: 1994-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 2579

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2100

; LENGTH: 15
; TYPE: PRT
; ORGANISM: Orthohepadnaviridae hepatitis B virus
; US-09-239-043D-2100

Query Match 33.0%; Score 35; DB 4; Length 15;
Best Local Similarity 46.2%; Pred. No. 56;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 6 GAYFVSSGKNEGT 18
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Db 1 GLYFPAGSSSGT 13

RESULT 15

US-08-302-756E-5
; Sequence 5, Application US/08302756E
; Patent No. 6737521

; GENERAL INFORMATION:

; APPLICANT: FISCHETTI, Vincent A.

; APPLICANT: POZZI, Gianni

; APPLICANT: SCHNEEWIND, Olaf

; TITLE OF INVENTION: DELIVERY AND EXPRESSION OF A HYBRID SURFACE PROTEIN ON THE SURFACE OF GRAM POSITIVE BACTERIA

; FILE REFERENCE: 016921-076

; CURRENT APPLICATION NUMBER: US/08/302,756E

; CURRENT FILING DATE: 1995-03-07

; PRIOR APPLICATION NUMBER: US 07/522,440

; PRIOR FILING DATE: 1990-05-11

; PRIOR APPLICATION NUMBER: US 07/742,199

; PRIOR FILING DATE: 1991-08-05

; PRIOR APPLICATION NUMBER: US 07/814,823

; PRIOR FILING DATE: 1991-12-23

; PRIOR APPLICATION NUMBER: US 07/851,082

; PRIOR FILING DATE: 1992-03-13

; PRIOR APPLICATION NUMBER: PCT/US93/02355

; PRIOR FILING DATE: 1993-03-12

; NUMBER OF SEQ ID NOS: 61

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 5

; LENGTH: 19

; TYPE: PRT

; ORGANISM: Hepatitis, pre S(2)

; US-08-302-756E-5

Query Match 33.0%; Score 35; DB 4; Length 19;
Best Local Similarity 46.2%; Pred. No. 73;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 6 GAYFVSSGKNEGT 18
| | | | |:
Db 6 GLYFPAGSSSGT 18

Search completed: June 20, 2005, 16:00:53
Job time : 22.6 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 15:55:27 ; Search time 72.4 Seconds
(without alignments)
106.072 Million cell updates/sec

Title: US-09-202-464-34

Perfect score: 105

Sequence: 1 SSGKNEGTYNNNEAFKVE 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	105	100.0	20	14	US-10-354-240-12
2	67	63.8	20	14	US-10-216-484-41
3	67	63.8	20	14	US-10-384-933-41
4	50	47.6	15	14	US-10-354-240-78
5	48	45.7	15	14	US-10-354-240-77
6	36	34.3	15	14	US-10-354-240-76
7	34	32.4	8	16	US-10-719-642-43
8	34	32.4	15	15	US-10-363-941-7
9	33	31.4	16	10	US-09-998-279-18
10	33	31.4	17	10	US-09-940-727B-68
11	33	31.4	19	10	US-09-998-279-21
					Sequence 12, Appl
					Sequence 41, Appl
					Sequence 41, Appl
					Sequence 78, Appl
					Sequence 77, Appl
					Sequence 76, Appl
					Sequence 43, Appl
					Sequence 7, Appl
					Sequence 18, Appl
					Sequence 68, Appl
					Sequence 21, Appl

12	32	30.5	17	16	US-10-327-598-480	Sequence 480, Appl
13	31.5	30.0	15	9	US-09-975-132A-4	Sequence 4, Appl
14	31.5	30.0	15	17	US-10-928-020-4	Sequence 4, Appl
15	31	29.5	15	14	US-10-354-240-79	Sequence 79, Appl
16	31	29.5	17	13	US-10-146-305-13	Sequence 13, Appl
17	30	28.6	9	15	US-10-365-761B-20	Sequence 20, Appl
18	30	28.6	12	10	US-09-954-385-161	Sequence 161, Appl
19	30	28.6	12	17	US-10-912-512-161	Sequence 161, Appl
20	30	28.6	12	17	US-10-235-043-161	Sequence 161, Appl
21	30	28.6	16	17	US-10-715-810-21	Sequence 21, Appl
22	30	28.6	16	17	US-10-715-810-36	Sequence 36, Appl
23	30	28.6	16	17	US-10-715-810-102	Sequence 102, Appl
24	29	27.6	13	14	US-10-226-007-1016	Sequence 1016, Appl
25	29	27.6	13	14	US-10-469-145-9	Sequence 9, Appl
26	29	27.6	14	14	US-10-226-007-1017	Sequence 1017, Appl
27	29	27.6	14	14	US-10-226-007-1030	Sequence 1030, Appl
28	29	27.6	15	14	US-10-226-007-1018	Sequence 1018, Appl
29	29	27.6	15	14	US-10-226-007-1031	Sequence 1031, Appl
30	29	27.6	15	14	US-10-226-007-1044	Sequence 1044, Appl
31	29	27.6	16	14	US-10-226-007-1019	Sequence 1019, Appl
32	29	27.6	16	14	US-10-226-007-1032	Sequence 1032, Appl
33	29	27.6	16	14	US-10-226-007-1045	Sequence 1045, Appl
34	29	27.6	16	14	US-10-226-007-1058	Sequence 1058, Appl
35	29	27.6	17	14	US-10-268-501-8	Sequence 8, Appl
36	29	27.6	17	14	US-10-226-007-1020	Sequence 1020, Appl
37	29	27.6	17	14	US-10-226-007-1033	Sequence 1033, Appl
38	29	27.6	17	14	US-10-226-007-1046	Sequence 1046, Appl
39	29	27.6	17	14	US-10-226-007-1059	Sequence 1059, Appl
40	29	27.6	17	14	US-10-226-007-1072	Sequence 1072, Appl
41	29	27.6	17	15	US-10-418-182-220	Sequence 220, Appl
42	29	27.6	17	15	US-10-608-626-8	Sequence 8, Appl
43	29	27.6	17	16	US-10-719-310-8	Sequence 8, Appl
44	29	27.6	17	17	US-10-823-253-2	Sequence 2, Appl
45	29	27.6	17	17	US-10-823-253-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-12

; Sequence 12, Application US/10354240

; Publication No. US20030185847A1

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103D1

; CURRENT FILING DATE: 2003-01-29

; PRIOR FILING DATE: 1997-03-10

; PRIOR FILING DATE: 1998-09-09

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 12

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

US-10-354-240-12

Query Match 100.0%; Score 105; DB 14; Length 20;

Best Local Similarity 100.0%; Pred. No. 3.7e-09; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 0;

1 SSGKNEGTYNNNEAFKVE 20

1 SSGKNEGTYNNNEAFKVE 20

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RESULT 2
US-10-216-484-41
; Sequence 41, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126C1P/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 41
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-216-484-41

Query Match      63.8%; Score 67; DB 14; Length 20;
Best Local Similarity 70.0%; Pred. No. 0.0025; 6; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 SSGKNEGNTIYNNNEAFKVE 20
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Db 1 SSGKYEKGNIYTKKEAFNVE 20

RESULT 3
US-10-384-933-41
; Sequence 41, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126C1P/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 41
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-41

Query Match      63.8%; Score 67; DB 14; Length 20;
Best Local Similarity 70.0%; Pred. No. 0.0025; 6; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 SSGKNEGNTIYNNNEAFKVE 20
   ||||| ||||| |||||
Db 1 SSGKYEKGNIYTKKEAFNVE 20

RESULT 4
US-10-354-240-78
; Sequence 78, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63
US-10-354-240-77

Query Match      45.7%; Score 48; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 1.5;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 SSGKNEGNTIYNNNE 15
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Db 1 SSGKYEKGNIYTKKE 15
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; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64
US-10-354-240-78

Query Match      47.6%; Score 50; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.74;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 6 EGTNIYNNNEAFKVE 20
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Db 1 EGGNIYTKKEAFNVE 15

RESULT 5
US-10-354-240-77
; Sequence 77, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63
US-10-354-240-77

Query Match      45.7%; Score 48; DB 14; Length 15;
Best Local Similarity 66.7%; Pred. No. 1.5;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 SSGKNEGNTIYNNNE 15
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Db 1 SSGKYEKGNIYTKKE 15
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RESULT 6
US-10-354-240-76
; Sequence 76, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62
US-10-354-240-76

Query Match 34.3%; Score 36; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 2; Gaps 0;

Qy 1 SSGKNEGTNI 10
Db 6 SSGKYEAGNI 15
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RESULT 7
US-10-719-642-43
; Sequence 43, Application US/10719642
; Publication No. US20040185040A1
; GENERAL INFORMATION:
; APPLICANT: Garcia-Martinez, Leon Fernando
; APPLICANT: Chen, Yucheng
; APPLICANT: Andrews, Dawn
; APPLICANT: Celltech R&D, Inc.
; TITLE OF INVENTION: Modulating Immune Responses
; FILE REFERENCE: 1427.008US1
; CURRENT APPLICATION NUMBER: US/10/719,642
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-10-719-642-43

Query Match 32.4%; Score 34; DB 16; Length 8;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 9 NIVNNN 14
Db 2 NVYNNN 7
|:|||||

RESULT 8
US-10-363-941-7
; Sequence 7, Application US/10363941

; Publication No. US20040038248A1
; GENERAL INFORMATION:
; APPLICANT: MAO, Yumin
; APPLICANT: XIE, Yi
; TITLE OF INVENTION: HUMAN HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN 32.01 AND POLYNUCLE
; TITLE OF INVENTION: ENCODING THE SAME
; FILE REFERENCE: 011241-52201US
; CURRENT APPLICATION NUMBER: US/10/363,941
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/CN01/01334
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 00125049.3
; PRIOR FILING DATE: 2000-10-07
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 7
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: partial sequence of SEQ ID NO: 2
US-10-363-941-7

Query Match 32.4%; Score 34; DB 15; Length 15;
Best Local Similarity 35.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 2 SGRNEGTNIYNNNE 15
Db 2 TGKTQTSNVTNKND 15
|||:|:|:

RESULT 9
US-09-998-279-18
; Sequence 18, Application US/09998279
; Publication No. US20030083287A1
; GENERAL INFORMATION:
; APPLICANT: BURGESS, NICOLA A.
; APPLICANT: GARCIA, MIGUEL M.
; APPLICANT: KIRKE, DAVID F.
; APPLICANT: MEYERS, NICHOLAS L.
; APPLICANT: WILLIAMS, PAUL
; TITLE OF INVENTION: gins
; FILE REFERENCE: GMS0081
; CURRENT APPLICATION NUMBER: US/09/998,279
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: 60/250,288
; PRIOR FILING DATE: 2000-11-30
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Propionomonas gingivalis
US-09-998-279-18

Query Match 31.4%; Score 33; DB 10; Length 16;
Best Local Similarity 40.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 4 KNEGTNIYNNNEAFK 18
Db 1 RNQEIYNTAETAYAK 15
|:|:|:|:

RESULT 10
US-09-940-727B-68
; Sequence 68, Application US/09940727B
; Publication No. US2003007793A1
; GENERAL INFORMATION:
; APPLICANT: Landry, Donald W
; TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY
; FILE REFERENCE: 0575/51400-B

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/ CURRENT APPLICATION NUMBER: US/09/940,727B
/ CURRENT FILING DATE: 2002-09-04
/ PRIOR APPLICATION NUMBER: 09/214,095
/ PRIOR FILING DATE: 1998-12-28
/ PRIOR APPLICATION NUMBER: PCT/US97/10965
/ PRIOR FILING DATE: 1997-06-25
/ PRIOR APPLICATION NUMBER: 08/672,345
/ PRIOR FILING DATE: 1996-06-25
/ NUMBER OF SEQ ID NOS: 121
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 68
/ LENGTH: 17
/ TYPE: PRT
/ ORGANISM: mouse
US-09-940-727B-68

Query Match          31.4%; Score 33; DB 10; Length 17;
Best Local Similarity 43.8%; Pred. No. 3.5e+02;
Matches 7; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY      3 GKNEGNIYNNNEAFK 18
Db      1 GMPFGNGVTYFNEKFK 16

RESULT 11
US-09-998-279-21
/ Sequence 21, Application US/09998279
/ Publication No. US20030083287A1
/ GENERAL INFORMATION:
/ APPLICANT: BURGESS, NICOLA A.
/ APPLICANT: GARCIA, MIGUEL M.
/ APPLICANT: KIRKE, DAVID F.
/ APPLICANT: MEYERS, NICHOLAS L.
/ APPLICANT: WILLIAMS, PAUL
/ TITLE OF INVENTION: Gins
/ FILE REFERENCE: GM50081
/ CURRENT APPLICATION NUMBER: US/09/998,279
/ CURRENT FILING DATE: 2001-11-30
/ PRIOR APPLICATION NUMBER: 60/250,288
/ PRIOR FILING DATE: 2000-11-30
/ NUMBER OF SEQ ID NOS: 26
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 21
/ LENGTH: 19
/ TYPE: PRT
/ ORGANISM: Porphyromonas gingivalis
US-09-998-279-21

Query Match          31.4%; Score 33; DB 10; Length 19;
Best Local Similarity 40.0%; Pred. No. 4e+02;
Matches 6; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY      4 KNEGNIYNNNEAFK 18
Db      4 RNQEIINVYTAEYAK 18

RESULT 12
US-10-327-598-480
/ Sequence 480, Application US/10327598
/ Publication No. US20040181039A1
/ GENERAL INFORMATION:
/ APPLICANT: Krah, Eugene
/ APPLICANT: Guo, Honliang
/ APPLICANT: Aliyappa, Ashok
/ APPLICANT: Lawton, Robert
/ TITLE OF INVENTION: Canine Immunoglobulin Variable Domains, Caninized Antibodies, and
/ FILE OF INVENTION: for Making and Using Them
/ FILE REFERENCE: 01-799-A
/ CURRENT APPLICATION NUMBER: US/10/327,598
/ CURRENT FILING DATE: 2002-12-20
/ PRIOR APPLICATION NUMBER: US 60/344,874
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/ PRIOR FILING DATE: 2001-12-21
/ NUMBER OF SEQ ID NOS: 1139
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 480
/ LENGTH: 17
/ TYPE: PRT
/ ORGANISM: canis familiaris;
US-10-327-598-480

Query Match          30.5%; Score 32; DB 16; Length 17;
Best Local Similarity 62.5%; Pred. No. 5e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      4 KNEGNIY 11
Db      3 RGDGTNIY 10

RESULT 13
US-09-975-132A-4
/ Sequence 4, Application US/09975132A
/ Publication No. US20020182672A1
/ GENERAL INFORMATION:
/ APPLICANT: Kolkman, Marc
/ TITLE OF INVENTION: Enhanced Secretion of a Polypeptide by a
/ FILE OF INVENTION: Microorganism
/ FILE REFERENCE: GC636-2
/ CURRENT APPLICATION NUMBER: US/09/975,132A
/ CURRENT FILING DATE: 2001-10-09
/ PRIOR APPLICATION NUMBER: US 60/239,531
/ PRIOR FILING DATE: 2000-10-10
/ NUMBER OF SEQ ID NOS: 30
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: synthetic peptide tag
US-09-975-132A-4

Query Match          30.0%; Score 31.5; DB 9; Length 15;
Best Local Similarity 47.1%; Pred. No. 5.1e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 3; Gaps 1;

QY      2 SGKNEGNIYNNNEAFK 18
Db      1 AGK---TNSFNQNVALK 14

RESULT 14
US-10-928-020-4
/ Sequence 4, Application US/10928020
/ Publication No. US20050118685A1
/ GENERAL INFORMATION:
/ APPLICANT: Kolkman, Marc
/ TITLE OF INVENTION: Enhanced Secretion of a Polypeptide by a
/ FILE OF INVENTION: Microorganism
/ FILE REFERENCE: GC636-2
/ CURRENT APPLICATION NUMBER: US/10/928,020
/ CURRENT FILING DATE: 2004-08-26
/ PRIOR APPLICATION NUMBER: US 60/239,531
/ PRIOR FILING DATE: 2000-10-10
/ NUMBER OF SEQ ID NOS: 30
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 15
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: synthetic peptide tag
US-10-928-020-4
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Query Match 30.0%; Score 31.5; DB 17; Length 15;
Best Local Similarity 47.1%; Pred. No. 5.1e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 3; Gaps 1;

QY 2 SGKNEGTNIYNNNEAFK 18
:|:|:|:|:|:|:|
Db 1 AGK--TNSFNQNVALK 14

RESULT 15

US-10-354-240-79
; Sequence 79, Application US/10354240
; Publication No. US20030195847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiriki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65
US-10-354-240-79

Query Match 29.5%; Score 31; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 6.1e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 11 YNNNEAFKVE 20
|:|:|:|:|:|
Db 1 YTKKEAFNVE 10

Search completed: June 20, 2005, 16:29:58
Job time : 73.4 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
(without alignments)
69.120 Million cell updates/sec

Title: US-09-202-464-34

Perfect score: 105

Sequence: 1 SSGKNEGTYNNNEAFKVE 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A COMB pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B COMB pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1 pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	105	100.0	20	4	US-09-142-524D-12
2	67	63.8	20	3	US-08-467-023-57
3	50	47.6	15	4	US-09-142-524D-78
4	48	45.7	15	4	US-09-142-524D-77
5	36	34.3	15	4	US-09-142-524D-76
6	36	34.3	20	3	US-08-467-023-56
7	33	31.4	17	2	US-08-672-345C-68
8	33	31.4	17	3	US-09-214-095D-68
9	31.5	30.0	20	6	5204097-3
10	31.5	30.0	20	6	5204097-3
11	31	29.5	14	1	US-08-475-989-16
12	31	29.5	14	2	US-08-475-985-16
13	31	29.5	14	3	US-08-256-839-16
14	31	29.5	15	4	US-09-142-524D-79
15	31	29.5	19	2	US-08-811-492-127
16	31	29.5	20	3	US-08-467-023-58
17	30	28.6	17	2	US-08-476-176B-51
18	30	28.6	17	3	US-08-127-721A-51
19	30	28.6	17	3	US-08-485-246A-51
20	30	28.6	18	5	PCT-US94-01234-21
21	29	27.6	11	2	US-08-538-560-8
22	29	27.6	11	3	US-08-659-254-8
23	29	27.6	13	5	PCT-US94-01234-70
24	29	27.6	18	5	PCT-US94-01234-28
25	29	27.6	18	5	PCT-US94-01234-30
26	29	27.6	18	5	PCT-US94-01234-34
27	28	26.7	13	1	US-08-264-093-18

28 26.7 14 4 US-09-443-199C-1211 Sequence 1211, Ap
29 26.7 15 4 US-09-490-702B-31 Sequence 31, Appl
30 26.7 18 3 US-08-928-213B-145 Sequence 145, Appl
31 26.7 19 4 US-10-053-485-19 Sequence 19, Appl
32 26.7 19 4 US-09-563-222C-51 Sequence 51, Appl
33 27.5 26.2 15 3 US-09-045-632-100 Sequence 100, Appl
34 27.5 26.2 17 3 US-08-836-561-41 Sequence 41, Appl
35 27.5 26.2 17 4 US-09-434-122-41 Sequence 41, Appl
36 27.5 26.2 20 4 US-09-834-759-547 Sequence 547, Appl
37 27 25.7 13 3 US-08-981-392-78 Sequence 78, Appl
38 27 25.7 13 4 US-09-908-322-78 Patent No. 5204097
39 27 25.7 14 6 5204097-4 Patent No. 5204097
40 27 25.7 14 6 5204097-4 Patent No. 5204097
41 27 25.7 17 3 US-07-987-264-2 Sequence 2, Appli
42 27 25.7 17 4 US-09-627-896B-12 Sequence 12, Appl
43 27 25.7 18 1 US-08-159-340A-14 Sequence 14, Appl
44 27 25.7 19 1 US-08-432-694-1 Sequence 1, Appli
45 27 25.7 20 3 US-08-467-023-52 Sequence 52, Appl

ALIGNMENTS

RESULT 1

US-09-142-524D-12

; Sequence 12, Application US/09142524D

; Patent No. 6719976

; GENERAL INFORMATION:

; APPLICANT: Sone, Toshio

; APPLICANT: Kume, Akinori

; APPLICANT: Dairiki, Kazuo

; APPLICANT: Iwama, Akiko

; APPLICANT: Kino, Kohsuke

; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease

; FILE REFERENCE: SPO-103

; CURRENT APPLICATION NUMBER: US/09/142,524D

; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740

; PRIOR FILING DATE: 1997-03-10

; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 12

; LENGTH: 20

; TYPE: PRT

; ORGANISM: Cryptomeria japonica

US-09-142-524D-12

Query Match 100.0%; Score 105; DB 4; Length 20;

Best Local Similarity 100.0%; Pred. No. 3.8e-10;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SSGKNEGTYNNNEAFKVE 20

|||||

Db 1 SSGKNEGTYNNNEAFKVE 20

RESULT 2

US-08-467-023-57

; Sequence 57, Application US/08467023

; Patent No. 6090386

; GENERAL INFORMATION:

; APPLICANT: Griffith, Irwin J.;

; APPLICANT: Pollock, Joanne;

; APPLICANT: Bond, Julian F.;

; APPLICANT: Garman, Richard D.;

; APPLICANT: Kuo, Mei-Chang;

; APPLICANT: Yeung, Siu-mei H.;

; APPLICANT: Brauer, Andrew;

; APPLICANT: Exley, Mark A.;

; APPLICANT: Powers, Steven P.

; TITLE OF INVENTION: Allergenic Proteins And Peptides From

; TITLE OF INVENTION: Japanese Cedar Pollen

; NUMBER OF SEQUENCES: 261

;/
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
;/ STREET: 610 Lincoln St
;/ CITY: Waltham
;/ STATE: MA
;/ COUNTRY: USA
;/ ZIP: 02154
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: PatentIn Release #1.0, Version #1.25
;/
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/08/467,023
;/ FILING DATE: June 6, 1995
;/ CLASSIFICATION: 424
;/
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: 08/350,225
;/ FILING DATE: December 6, 1994
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Jane E. Remillard
;/ REGISTRATION NUMBER: 38,872
;/ REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
;/
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (617) 227-7400
;/ TELEFAX: (617) 227-5941
;/
;/ INFORMATION FOR SEQ ID NO: 57:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 20 amino acids
;/ TYPE: amino acid
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: peptide
;/ FRAGMENT TYPE: internal
;/
;/ US-08-467-023-57

Query Match 63.8%; Score 67; DB 3; Length 20;
Best Local Similarity 70.0%; Pred. No. 0.0004;
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 SSGKNEGNIYNNNEAPKVE 20
||| ||| ||| ||| ||| ||| |||
Db 1 SSGYEGGNIYTKKEAPNVE 20

RESULT 3
US-09-142-524D-78
; Sequence 78, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64
US-09-142-524D-78

Query Match 47.6%; Score 50; DB 4; Length 15;

Best Local Similarity 66.7%; Pred. No. 0.14;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 6 EGTNIYNNNEAPKVE 20
||| ||| ||| ||| ||| ||| |||
Db 1 EGGNIYTKKEAPNVE 15

RESULT 4
US-09-142-524D-77
; Sequence 77, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 63
US-09-142-524D-77

Query Match 45.7%; Score 48; DB 4; Length 15;
Best Local Similarity 66.7%; Pred. No. 0.3;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 SSGKNEGNIYNNNE 15
||| ||| ||| ||| ||| ||| |||
Db 1 SSGYEGGNIYTKKE 15

RESULT 5
US-09-142-524D-76
; Sequence 76, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 62
US-09-142-524D-76

Query Match 34.3%; Score 36; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 24;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SSGKNEGTNI 10
|||||
Db 6 SSGKYEGGNI 15

RESULT 6
US-08-467-023-56
; Sequence 56, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian P.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-08-467-023-56

Query Match 34.3%; Score 36; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 33;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 SSGKNEGTNI 10
|||||
Db 11 SSGKYEGGNI 20

RESULT 7
US-08-672-345C-68
; Sequence 68, Application US/08672345C

Query Match 31.4%; Score 33; DB 2; Length 17;
Best Local Similarity 43.8%; Pred. No. 81;
Matches 7; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 3 GKNEGTNIYNNNEAFK 18
| | | | |
Db 1 GMPGNGVTYFNEKFK 16

RESULT 8
US-09-214-095D-68
; Sequence 68, Application US/09214095D
; Patent No. 6280987
; GENERAL INFORMATION:
; APPLICANT: Landry, Donald
; TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY
; FILE REFERENCE: 51400-A-PCT-US
; CURRENT APPLICATION NUMBER: US/09/214,095D
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 68
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Murinae gen. sp.
; US-09-214-095D-68

Query Match 31.4%; Score 33; DB 3; Length 17;
Best Local Similarity 43.8%; Pred. No. 81;
Matches 7; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 3 GKNEGTNIYNNNEAFK 18
| | | | |
Db 1 GMPGNGVTYFNEKFK 16

RESULT 9
5204097-3
; Patent No. 5204097
; APPLICANT: ARNON, RUTH, HARARI, ILANA; KEUSCH, GERALD T.
; DONOHUE-ROLFE, ARTHUR
; TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND
; VACCINE THERETO
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/364,506
; FILING DATE: 09-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 70,243
; FILING DATE: 06-JUL-1987
; SEQ ID NO: 3:
; LENGTH: 20
5204097-3

Query Match 30.0%; Score 31.5; DB 6; Length 20;
Best Local Similarity 44.4%; Pred. No. 1.7e+02;
Matches 8; Conservative 4; Mismatches 5; Indels 1; Gaps 1;

QY 3 GKNEGTVNNNEAFKVE 20
DB 1 GKVEYTK-YNDDDTFTVK 17

RESULT 10
5204097-3
; Patent No. 5204097
; APPLICANT: ARNON, RUTH, HARARI, ILANA; KEUSCH, GERALD T.
; DONOHUE-ROLFE, ARTHUR
; TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND
; VACCINE THERETO
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/364,506
; FILING DATE: 09-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 70,243
; FILING DATE: 06-JUL-1987
; SEQ ID NO: 3:
; LENGTH: 20
5204097-3

Query Match 30.0%; Score 31.5; DB 6; Length 20;
Best Local Similarity 44.4%; Pred. No. 1.7e+02;
Matches 8; Conservative 4; Mismatches 5; Indels 1; Gaps 1;

QY 3 GKNEGTVNNNEAFKVE 20
DB 1 GKVEYTK-YNDDDTFTVK 17

RESULT 11
US-08-475-989-16
; Sequence 16, Application US/08475989
; Patent No. 5679352
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: KANDIL, Ali
; APPLICANT: SIA, Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae
; TITLE OF INVENTION: Conjugate Vaccine
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: Suite 701, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,989
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/256,839
; FILING DATE: 03-FEB-1993
; CLASSIFICATION: 424
; APPLICATION NUMBER: PCT/CA93/00041
; FILING DATE: 03-FEB-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9202219.3
; FILING DATE: 03-FEB-1992
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, MICHAEL I.
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-505 MIS:vg
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-475-989-16

Query Match 29.5%; Score 31; DB 1; Length 14;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 NEGTVNI 10
DB 6 NEGTVN 11

RESULT 12
US-08-475-985-16
; Sequence 16, Application US/08475985
; Patent No. 5972349
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: KANDIL, Ali
; APPLICANT: SIA, Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae
; TITLE OF INVENTION: Conjugate Vaccine
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: Suite 701, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/475,985
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/256,839
; FILING DATE: 03-FEB-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/CA93/00041
; FILING DATE: 03-FEB-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9202219.3
; FILING DATE: 03-FEB-1992
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, MICHAEL I.
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-506 MTS:vg
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-475-985-16

Query Match 29.5%; Score 31; DB 2; Length 14;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 NEGTVI 10
DB 6 NEGTVI 11

RESULT 13
US-08-256-839-16
; Sequence 16, Application US/08256839
; Patent No. 6018019
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pelle
; APPLICANT: KANDIL, Ali
; APPLICANT: SIA, Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: Synthetic Haemophilus Influenzae
; TITLE OF INVENTION: Conjugate Vaccine
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: Suite 701, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/256,839
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, MICHAEL I.
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-373 MTS:jb
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 14 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-256-839-16

Query Match 29.5%; Score 31; DB 3; Length 14;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 5 NEGTVI 10
DB 6 NEGTVI 11

RESULT 14
US-09-142-524D-79
; Sequence 79, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kobsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 15
; TYPE: PPT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65
; US-09-142-524D-79

Query Match 29.5%; Score 31; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 11 YNNNEAFKVE 20
DB 1 YTKKEAFNVE 10

RESULT 15
US-08-811-492-127
; Sequence 127, Application US/08811492
; Patent No. 5834247
; GENERAL INFORMATION:
; APPLICANT: COMB, DONALD G.
; APPLICANT: PERLER, FRANCINE B.
; APPLICANT: JACK, WILLIAM E.
; APPLICANT: XU, MING-QUN
; APPLICANT: HODGES, ROBERT A.
; APPLICANT: NOREN, CHRISTOPHER J.
; APPLICANT: CHONG, SHAO-RONG S.C.
; APPLICANT: ADAM, ERIC
; APPLICANT: SOUTHWORTH, MAURICE
; TITLE OF INVENTION: MODIFIED PROTEINS, METHODS OF THEIR
; TITLE OF INVENTION: PRODUCTION AND METHODS FOR PURIFICATION OF TARGET
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 155
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GREGORY D. WILLIAMS; NEW ENGLAND BIOLABS, INC.
; STREET: 32 TOZER ROAD

;
; CITY: BEVERLY
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01915
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC\DOS\MS\DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/811,492
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/580,555
; FILING DATE: 29-DEC-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/496,247
; FILING DATE: 28-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/146,885
; FILING DATE: 03-NOV-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/004,139
; FILING DATE: 09-DEC-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams, Gregory D
; REGISTRATION NUMBER: 30901
; REFERENCE/DOCKET NUMBER: NEB-036C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-927-5054
; TELEFAX: 509-927-1705
; TELEX:
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-811-492-127

Query Match 29.5%; Score 31; DB 2; Length 19;
Best Local Similarity 46.2%; Pred. NO. 1.9e+02;
Matches 6; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 SGKNEGNTIYNNN 14
Db :|:|:|:|:|:|:
6 NGRNGNGNGND 18

Search completed: June 20, 2005, 16:00:54
Job time : 22.6 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 15:55:27 ; Search time 72.4 Seconds
(without alignments)
106.072 Million cell updates/sec

Title: US-09-202-464-35

Perfect score: 104

Sequence: 1 YNNNEAFKVENGSAAAPLTK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
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2	54	51.9	20	14	US-10-354-240-12
3	48	46.2	15	14	US-10-354-240-79
4	43	41.3	15	14	US-10-354-240-81
5	34	32.7	15	9	US-09-767-460-31
6	34	32.7	15	17	US-10-777-829-31
7	34	32.7	15	17	US-10-818-067-31
8	33	31.7	16	15	US-10-449-829A-15
9	31	29.8	15	14	US-10-354-240-78
10	31	29.8	20	14	US-10-216-484-41
11	31	29.8	20	14	US-10-384-933-41
					Sequence 80, Appl
					Sequence 12, Appl
					Sequence 79, Appl
					Sequence 81, Appl
					Sequence 31, Appl
					Sequence 31, Appl
					Sequence 15, Appl
					Sequence 78, Appl
					Sequence 41, Appl

12	30	28.8	12	14	US-10-227-616-16	Sequence 16, Appl
13	30	28.8	14	14	US-10-173-461-17	Sequence 17, Appl
14	30	28.8	15	16	US-10-769-514-71	Sequence 71, Appl
15	30	28.8	18	14	US-10-053-485-31	Sequence 31, Appl
16	30	28.8	20	17	US-10-875-133-62	Sequence 31, Appl
17	29	27.9	12	16	US-10-203-969A-208	Sequence 208, App
18	29	27.9	12	16	US-10-203-969A-209	Sequence 209, App
19	29	27.9	12	16	US-10-203-969A-210	Sequence 210, App
20	29	27.9	12	16	US-10-203-969A-211	Sequence 211, App
21	29	27.9	12	16	US-10-203-969A-212	Sequence 212, App
22	29	27.9	12	16	US-10-203-969A-390	Sequence 390, App
23	29	27.9	12	16	US-10-203-969A-391	Sequence 391, App
24	29	27.9	12	16	US-10-203-969A-392	Sequence 392, App
25	29	27.9	12	16	US-10-203-969A-393	Sequence 393, App
26	29	27.9	12	16	US-10-642-553-75	Sequence 75, Appl
27	29	27.9	12	16	US-10-642-553-76	Sequence 76, Appl
28	29	27.9	12	16	US-10-642-553-77	Sequence 77, Appl
29	29	27.9	12	16	US-10-642-553-78	Sequence 78, Appl
30	29	27.9	12	16	US-10-642-553-79	Sequence 79, Appl
31	29	27.9	12	16	US-10-642-553-251	Sequence 251, App
32	29	27.9	12	16	US-10-642-553-252	Sequence 252, App
33	29	27.9	13	10	US-09-747-802-5	Sequence 5, Appl
34	29	27.9	13	16	US-10-789-619-5	Sequence 5, Appl
35	29	27.9	14	16	US-10-481-180-796	Sequence 796, App
36	29	27.9	18	16	US-10-481-180-820	Sequence 820, App
37	29	27.9	19	17	US-10-925-556-11	Sequence 11, Appl
38	29	27.9	19	17	US-10-925-556-12	Sequence 12, Appl
39	29	27.9	20	14	US-10-225-567A-1661	Sequence 1661, Ap
40	29	27.9	20	16	US-10-481-180-827	Sequence 827, App
41	29	27.9	20	16	US-10-481-180-828	Sequence 828, App
42	28	26.9	11	14	US-10-286-457-194	Sequence 194, App
43	28	26.9	11	16	US-10-769-514-74	Sequence 74, Appl
44	28	26.9	15	16	US-10-221-125-30	Sequence 30, Appl
45	28	26.9	15	16	US-10-769-514-70	Sequence 70, Appl

ALIGNMENTS

RESULT 1

US-10-354-240-80
; Sequence 80, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Some, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Diseases
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 80
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Crys1l peptide, Figure 1, Row 66
US-10-354-240-80

Query Match 59.6%; Score 62; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.0024;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 AFKVENGSAAPOLTK 20
|||:|||||
Db 1 AFVENGATPOLTK 15

RESULT 2

US-10-354-240-12
; Sequence 12, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-10-354-240-12

Query Match 51.9%; Score 54; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.074;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10
|||||||
Db 11 YNNNEAFKVE 20

RESULT 3

US-10-354-240-79
; Sequence 79, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65
US-10-354-240-79

Query Match 46.2%; Score 48; DB 14; Length 15;
Best Local Similarity 64.3%; Pred. No. 0.53;
Matches 9; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVENGSA 14
|||:|||||
Db 1 YTKKEAFNVENGNA 14

RESULT 4

US-10-354-240-81
; Sequence 81, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67
US-10-354-240-81

Query Match 41.3%; Score 43; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 3.7;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 NGSAAPOLTK 20
|||:|||||
Db 1 NGNATPOLTK 10

RESULT 5

US-09-767-460-31
; Sequence 31, Application US/09767460
; Patent No. US20020009756A1
; GENERAL INFORMATION:
; APPLICANT: Mandell, Arnold
; APPLICANT: Selz, Karen
; APPLICANT: Shlesinger, Michael
; TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of the
; FILE REFERENCE: 01561-0003-CFUS01
; CURRENT APPLICATION NUMBER: US/09/767,460
; CURRENT FILING DATE: 2001-01-23
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-767-460-31

Query Match 32.7%; Score 34; DB 9; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVENG 12

Db | : ||| : | |
2 YKNEATDIEKG 13

RESULT 6

US-10-777-829-31
; Sequence 31, Application US/10777829
; Publication No. US20050027457A1
; GENERAL INFORMATION:
; APPLICANT: MANDELL, ARNOLD J.
; APPLICANT: SELZ, KAREN A.
; APPLICANT: SHLESINGER, MICHAEL F.
; TITLE OF INVENTION: ALGORITHMIC DESIGN OF PEPTIDES FOR BINDING AND/OR MODULATION OF
; TITLE OF INVENTION: THE FUNCTIONS OF RECEPTORS AND/OR OTHER PROTEINS
; FILE REFERENCE: 31010-701.501
; CURRENT APPLICATION NUMBER: US/10/777,829
; CURRENT FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 09/767,460
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 09/490,701
; PRIOR FILING DATE: 2000-01-24
; NUMBER OF SEQ ID NOS: 99
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide
US-10-777-829-31

Query Match 32.7%; Score 34; DB 17; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVG 12
| : ||| : | |
Db 2 YKNEATDIEKG 13

RESULT 7

US-10-818-067-31
; Sequence 31, Application US/10818067
; Publication No. US20050119454A1
; GENERAL INFORMATION:
; APPLICANT: MANDELL, ARNOLD J.
; APPLICANT: SELZ, KAREN A.
; APPLICANT: SHLESINGER, MICHAEL F.
; TITLE OF INVENTION: ALGORITHMIC DESIGN OF PEPTIDES FOR BINDING AND/OR MODULATION OF
; TITLE OF INVENTION: THE FUNCTIONS OF RECEPTORS AND/OR OTHER PROTEINS
; FILE REFERENCE: 31010-701.502
; CURRENT APPLICATION NUMBER: US/10/818,067
; CURRENT FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: 10/777,829
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 09/767,460
; PRIOR FILING DATE: 2000-01-23
; PRIOR APPLICATION NUMBER: 09/490,701
; PRIOR FILING DATE: 2000-01-24
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide
US-10-818-067-31

Query Match 32.7%; Score 34; DB 17; Length 15;
Best Local Similarity 50.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVG 12
| : ||| : | |
Db 2 YKNEATDIEKG 13

RESULT 8

US-10-449-829A-15
; Sequence 15, Application US/10449829A
; Publication No. US20040043425A1
; GENERAL INFORMATION:
; APPLICANT: TERRETT, Jonathan Alexander
; APPLICANT: HALL, Ian Philip
; TITLE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF CHRON
; TITLE OF INVENTION: ASTHMA
; FILE REFERENCE: 2543-1-029
; CURRENT APPLICATION NUMBER: US/10/449,829A
; CURRENT FILING DATE: 2003-05-30
; PRIOR APPLICATION NUMBER: PCT/GB01/05476
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: P32060GB
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-449-829A-15

Query Match 31.7%; Score 33; DB 15; Length 16;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 7 FKVNGSAAPQ 17
| : ||| : | |
Db 1 FNISNGGPAPE 11

RESULT 9

US-10-354-240-78
; Sequence 78, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daijiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)-(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64
US-10-354-240-78

Query Match 29.8%; Score 31; DB 14; Length 15;
Best Local Similarity 60.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10

Db 6 YTKKEAFNVE 15
RESULT 10
US-10-216-484-41
; Sequence 41, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 41
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-216-484-41
Query Match 29.8%; Score 31; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 5.3e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 YNNNEAFKVE 10
Db 11 YTKKEAFNVE 20
RESULT 11
US-10-384-933-41
; Sequence 41, Application US/10384933
; Publication No. US20030170817A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030170817A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/384,933
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 41
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-384-933-41
Query Match 29.8%; Score 31; DB 14; Length 20;
Best Local Similarity 60.0%; Pred. No. 5.3e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 YNNNEAFKVE 10
Db 11 YTKKEAFNVE 20
RESULT 12

US-10-227-616-16
; Sequence 16, Application US/10227616
; Publication No. US2003009662A1
; GENERAL INFORMATION:
; APPLICANT: Boyd, Robert Simon
; APPLICANT: Stamps, Alasdair Craig
; APPLICANT: Terrett, Jonathan Alexander
; TITLE OF INVENTION: Proteins
; FILE REFERENCE: 2543-1-028
; CURRENT APPLICATION NUMBER: US/10/227,616
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: GB 0004576.5
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: GB 0031341.1
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-227-616-16
Query Match 28.8%; Score 30; DB 14; Length 12;
Best Local Similarity 50.0%; Pred. No. 4.3e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 2 NNNEAFKVEN 11
Db 1 NGNQAFNEDN 10
RESULT 13
US-10-173-461-17
; Sequence 17, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMOLGY
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/298,340
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-173-461-17
Query Match 28.8%; Score 30; DB 14; Length 14;
Best Local Similarity 85.7%; Pred. No. 5.1e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 8 KVENGSA 14
Db 3 QVENGSA 9
RESULT 14
US-10-769-514-71
; Sequence 71, Application US/10769514
; Publication No. US20040258695A1
; GENERAL INFORMATION:
; APPLICANT: Schryvers, Anthony
; TITLE OF INVENTION: Transferrin Binding Peptides and Uses Thereof
; FILE REFERENCE: 028722-001
; CURRENT APPLICATION NUMBER: US/10/769,514
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: US 60/444,113

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; PRIOR FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 71
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: TbpB N-lobes of Bovine Pathogens
US-10-769-514-71

Query Match      28.8%; Score 30; DB 16; Length 15;
Best Local Similarity 57.1%; Pred. No. 5.6e+02;
Matches 8; Conservative 1; Mismatches 1; Indels 4; Gaps 1;

QY      2 NNNEAF----KVEN 11
DB      1 NNNEAWAKNLKEN 14

RESULT 15
US-10-053-485-31
; Sequence 31, Application US/10053485
; Publication No. US20030047680A1
; GENERAL INFORMATION:
; APPLICANT: Figeys, Daniel
; APPLICANT: Aebersold, Ruedi
; TITLE OF INVENTION: ELECTROOSMOTIC FLUIDIC DEVICE AND RELATED METHODS
; FILE REFERENCE: UWOT1118617
; CURRENT APPLICATION NUMBER: US/10/053,485
; CURRENT FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: US 09/209,880
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: US 60/069,398
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-10-053-485-31

Query Match      28.8%; Score 30; DB 14; Length 18;
Best Local Similarity 55.6%; Pred. No. 6.9e+02;
Matches 5; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      4 NEAFKVENG 12
DB      4 NDAFGIEEG 12

Search completed: June 20, 2005, 16:29:58
Job time : 72.4 secs
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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
(without alignments)
69.120 Million cell updates/sec

Title: US-09-202-464-35

Perfect score: 104

Sequence: 1 YNNNEAFKVENGAAPQLTK 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 196327

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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- 3: /cgn2_6/ptodata/1/iaa/6A COMB pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1 pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	74	71.2	20	3	US-08-467-023-58
2	67	64.4	16	3	US-08-467-023-19
3	66	63.5	16	2	US-08-773-008-4
4	62	59.6	15	4	US-09-142-524D-80
5	54	51.9	20	4	US-09-142-524D-12
6	48	46.2	15	4	US-09-142-524D-79
7	43	41.3	15	4	US-09-142-524D-81
8	43	41.3	20	3	US-08-467-023-59
9	34	32.7	15	4	US-09-490-702B-31
10	32	30.8	17	1	US-08-191-866D-64
11	32	30.8	17	2	US-08-185-949B-64
12	31	29.8	14	1	US-07-961-724C-5
13	31	29.8	15	4	US-09-142-524D-78
14	31	29.8	20	3	US-08-467-023-57
15	30	28.8	14	6	5204097-4
16	30	28.8	14	6	5204097-4
17	30	28.8	18	4	US-10-053-485-31
18	30	28.8	19	2	US-08-729-152-17
19	30	28.8	19	2	US-08-031-538-42
20	30	28.8	20	6	US-08-475-634D-2
21	30	28.8	20	6	5204097-3
22	30	28.8	20	6	5204097-3
23	29	27.9	9	2	US-08-340-283-64
24	29	27.9	13	4	US-09-747-802-5
25	28	26.9	11	2	US-08-404-531B-11
26	28	26.9	11	2	US-08-404-531B-22
27	28	26.9	11	3	US-08-476-900A-11

28	28	26.9	11	3	US-08-476-900A-22	Sequence 22, Appl
29	28	26.9	11	3	US-08-488-546A-11	Sequence 11, Appl
30	28	26.9	11	3	US-08-488-546A-22	Sequence 22, Appl
31	28	26.9	16	2	US-08-470-419-21	Sequence 21, Appl
32	28	26.9	16	2	US-08-761-828-21	Sequence 21, Appl
33	28	26.9	16	2	US-08-290-105-21	Sequence 21, Appl
34	28	26.9	16	3	US-08-776-949-21	Sequence 21, Appl
35	28	26.9	16	3	US-08-482-810-21	Sequence 21, Appl
36	28	26.9	16	3	US-09-027-955-21	Sequence 21, Appl
37	28	26.9	16	3	US-09-636-805-21	Sequence 21, Appl
38	28	26.9	16	4	US-09-258-128-21	Sequence 21, Appl
39	28	26.9	16	4	US-09-635-754-21	Sequence 21, Appl
40	28	26.9	16	4	US-08-680-525-21	Sequence 21, Appl
41	28	26.9	16	4	US-09-636-223-21	Sequence 21, Appl
42	28	26.9	19	3	US-09-167-434-15	Sequence 15, Appl
43	28	26.9	19	3	US-08-853-755-15	Sequence 15, Appl
44	28	26.9	19	4	US-10-053-485-19	Sequence 19, Appl
45	27	26.0	10	1	US-08-462-949-22	Sequence 22, Appl

ALIGNMENTS

RESULT 1

US-08-467-023-58
; Sequence 58, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IM1-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 58:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-58

Query Match 71.2%; Score 74; DB 3; Length 20;
Best Local Similarity 70.0%; Pred. No. 3.3e-06;
Matches 14; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 YNNNEAFKVENGAAPOLTK 20
| ||| ||| : ||| |||
Db 1 YTKKEAFNVNGNATPOLTK 20

RESULT 2

US-08-467-023-19
; Sequence 19, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Cryptomeria japonica

US-08-467-023-19

Query Match 64.4%; Score 67; DB 3; Length 16;
Best Local Similarity 81.2%; Pred. No. 4.2e-05;
Matches 13; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 5 EAFKVENGAAPOLTK 20
| ||| ||| : ||| |||
Db 1 EAFNVNGNATPOLTK 16

RESULT 3

US-08-773-008-4
; Sequence 4, Application US/08773008
; Patent No. 5874401
; GENERAL INFORMATION:
; APPLICANT: SANOU, Osamu
; APPLICANT: HINO, Katsuhiko
; APPLICANT: KURIMOTO, Masashi
; TITLE OF INVENTION: PROTEIN, PROCESS TO PRODUCE THE SAME,
; TITLE OF INVENTION: AND USES THEREOF
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/773,008
; FILING DATE: 24-DEC-1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/354,815
; FILING DATE: 08-DEC-1994
; APPLICATION NUMBER: JP 347017
; FILING DATE: 27-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: SANOU=1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633

INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-773-008-4

Query Match 63.5%; Score 66; DB 2; Length 16;
Best Local Similarity 81.2%; Pred. No. 6.2e-05;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 5 EAFKVENGAAPOLTK 20
| ||| ||| : ||| |||
Db 1 EAFNVNGXATPOLTK 16

RESULT 4

US-09-142-524D-80
; Sequence 80, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Daiiriki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; CURRENT FILING DATE: 1998-09-09

; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 80
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 66
US-09-142-524D-80

Query Match 59.6%; Score 62; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.00029;
Matches 12; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 AFKVENGSAAQLTK 20
|||:|||||
Db 1 AFNVGNATPQLTK 15

RESULT 5

US-09-142-524D-12
; Sequence 12, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
US-09-142-524D-12

Query Match 51.9%; Score 54; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.01;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10
|||||
Db 11 YNNNEAFKVE 20

RESULT 6

US-09-142-524D-79
; Sequence 79, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; NUMBER OF SEQ ID NOS: 174

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 65
US-09-142-524D-79

Query Match 46.2%; Score 48; DB 4; Length 15;
Best Local Similarity 64.3%; Pred. No. 0.079;
Matches 9; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVENGA 14
|||:|||||
Db 1 YTKKEAFNVENGNA 14

RESULT 7

US-09-142-524D-81
; Sequence 81, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67
US-09-142-524D-81

Query Match 41.3%; Score 43; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.59;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 NGSAAQLTK 20
|||:|||||
Db 1 NGNATPQLTK 10

RESULT 8

US-08-467-023-59
; Sequence 59, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-59

Query Match 41.3%; Score 43; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.84;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 NGSAAQLTK 20
||:|||||
DB 1 NGNATPLTK 10

RESULT 9
US-09-490-702B-31
Sequence 31, Application US/09490702B
Patent No. 6560542
GENERAL INFORMATION:
APPLICANT: Mandell, Arnold
APPLICANT: Selz, Karen
APPLICANT: Shlesinger, Michael
TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of b
TITLE OF INVENTION: Functions of Receptors and/or Other Proteins
FILE REFERENCE: 01561-0002-00US00
CURRENT APPLICATION NUMBER: US/09/490,702B
CURRENT FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 96
SOFTWARE: Patent in version 3.0
SEQ ID NO 31
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: synthetic
US-09-490-702B-31

Query Match 32.7%; Score 34; DB 4; Length 15;
Best Local Similarity 50.0%; Pred. No. 22;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNEAFKVENG 12
|:|:|:|:|
DB 2 YKHEATDIEKG 13

RESULT 10
US-08-191-866D-64
Sequence 64, Application US/08191866D
Patent No. 5783195
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Macdonald, Richard D.
TITLE OF INVENTION: Recombinant Infectious Bovine
TITLE OF INVENTION: Rhinotracheitis Virus S-IBR-052 And Uses Thereof
NUMBER OF SEQUENCES: 99
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/191,866D
FILING DATE: 4 February 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
TELEX: 422523
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-191-866D-64

Query Match 30.8%; Score 32; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 57;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 7 PKVNGSAAP 16
|:|:|:|:|
DB 2 YKESGCARP 11

RESULT 11
US-08-185-949B-64
Sequence 64, Application US/08185949B
Patent No. 5874279
GENERAL INFORMATION:
APPLICANT: Mark D. Cochran
APPLICANT: Richard D. Macdonald
TITLE OF INVENTION: Recombinant Infectious Bovine
TITLE OF INVENTION: Rhinotracheitis Virus
NUMBER OF SEQUENCES: 104
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,949B
FILING DATE: 4 February 1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
TELEX: 422523
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-185-949B-64

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM 330 466 DX2
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,949B
FILING DATE: 03-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: ,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 278-0525
INFORMATION FOR SEQ ID NO: 64:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-185-949B-64

Query Match 30.8%; Score 32; DB 2; Length 17;
Best Local Similarity 50.0%; Pred. No. 57;
Matches 5; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 7 FKVNGSAAP 16
Db 2 YKIEGCAAP 11

RESULT 12

US-07-961-724C-5
Sequence 5, Application US/07961724C
Patent No. 5541078
GENERAL INFORMATION:
APPLICANT: FACON, BRIGITTE
APPLICANT: CHAMEKH, MUSTAPHA
APPLICANT: DISSOUS, COLETTE
APPLICANT: CAPRON, ANDRE
APPLICANT: TARTAR, ANDRE
APPLICANT: GRAS-MASSE, HELENE
TITLE OF INVENTION: IMMUNOGENIC PEPTIDE SEQUENCE OF
TITLE OF INVENTION: ECHINOCOCCUS GRANULOSUS, DNA SEQUENCE CODING FOR THIS
TITLE OF INVENTION: PEPTIDE SEQUENCE AND DIAGNOSTIC AND THERAPEUTIC
TITLE OF INVENTION: APPLICATIONS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/961,724C
FILING DATE: 10-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 90/08900
FILING DATE: 12-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5541078man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-065-0X PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000

TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-07-961-724C-5

Query Match 29.8%; Score 31; DB 1; Length 14;
Best Local Similarity 54.5%; Pred. No. 66;
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 10 ENGSAAPQLTK 20
Db 4 QSEKAAPQLSK 14

RESULT 13

US-09-142-524D-78
Sequence 78, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: Patentin version 3.1
SEQ ID NO 78
LENGTH: 15
TYPE: PRT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)-(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 64
US-09-142-524D-78

Query Match 29.8%; Score 31; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 72;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNEAFKVE 10
Db 6 YTKKEAFNVE 15

RESULT 14

US-08-467-023-57
Sequence 57, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;

/ APPLICANT: Powers, Steven P.
/ TITLE OF INVENTION: Allergenic Proteins And Peptides From
/ TITLE OF INVENTION: Japanese Cedar Pollen
/ NUMBER OF SEQUENCES: 261
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
/ STREET: 610 Lincoln St
/ CITY: Waltham
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02154
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/467,023
/ FILING DATE: June 6, 1995
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/350,225
/ FILING DATE: December 6, 1994
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Jane E. Remillard
/ REGISTRATION NUMBER: 38,872
/ REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (617) 227-7400
/ TELEFAX: (617) 227-5941
/ INFORMATION FOR SEQ ID NO: 57:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 20 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/ US-08-467-023-57

Query Match 29.8%; Score 31; DB 3; Length 20;
Best Local Similarity 60.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 10
Db 11 YTKKEAFNVE 20

RESULT 15
5204097-4
/ Patent No. 5204097
/ APPLICANT: ARNON, RUTH; HARARI, ILANA; KEUSCH, GERALD T.
/ DONOHUE-ROLFE, ARTHUR
/ TITLE OF INVENTION: SHIGA TOXIN B CHAIN POLYPEPTIDES AND
/ VACCINE THERETO
/ NUMBER OF SEQUENCES: 5
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/364,506
/ FILING DATE: 09-JUN-1989
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 70,243
/ FILING DATE: 06-JUL-1987
/ SEQ ID NO: 4:
/ LENGTH: 14
5204097-4

Query Match 28.8%; Score 30; DB 6; Length 14;
Best Local Similarity 41.7%; Pred. No. 99;
Matches 5; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 1 YNNNEAFKVE 12
Db 2 YNDDDTFTVKVG 13

Search completed: June 20, 2005, 16:00:54
Job time : 21.6 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 15:55:27 ; Search time 72.4 Seconds
(without alignments)
106.072 Million cell updates/sec

Title: US-09-202-464-36

Perfect score: 100

Sequence: 1 NSAAPQLTKNAGVLTCLLS 20

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 332641

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
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3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	70	70.0	15	14	US-10-354-240-82
2	67	67.0	15	14	US-10-354-240-81
3	54	54.0	15	14	US-10-354-240-83
4	43	43.0	15	14	US-10-354-240-80
5	32	32.0	15	17	US-10-480-441-8
6	32	32.0	15	17	US-10-480-441-11
7	32	32.0	15	17	US-10-480-465-1
8	32	32.0	15	17	US-10-480-465-7
9	32	32.0	15	17	US-10-480-465-10
10	30.5	30.5	18	14	US-10-193-477-39
11	30	30.0	13	17	US-10-488-662-51

12	30	30.0	13	17	US-10-488-662-52	Sequence 52, Appl
13	30	30.0	15	15	US-10-107-532-6027	Sequence 5027, Ap
14	30	30.0	18	17	US-10-801-988-9	Sequence 9, Appli
15	30	30.0	20	9	US-09-864-761-48069	Sequence 48069, A
16	29	29.0	10	10	US-09-572-270A-451	Sequence 451, App
17	29	29.0	10	10	US-09-572-270A-455	Sequence 455, App
18	29	29.0	15	9	US-09-767-460-25	Sequence 25, Appl
19	29	29.0	15	17	US-10-777-829-25	Sequence 25, Appl
20	29	29.0	15	17	US-10-492-794-67	Sequence 67, Appl
21	29	29.0	15	17	US-10-818-067-25	Sequence 25, Appl
22	29	29.0	17	15	US-10-463-190-73	Sequence 73, Appl
23	29	29.0	17	17	US-10-808-187-1553	Sequence 1553, Ap
24	29	29.0	17	17	US-10-868-497-28	Sequence 28, Appl
25	29	29.0	18	14	US-10-029-386-29970	Sequence 29970, A
26	29	29.0	19	9	US-09-847-539A-22	Sequence 22, Appl
27	29	29.0	20	9	US-09-813-333-78	Sequence 78, Appl
28	29	29.0	20	13	US-10-044-703-78	Sequence 78, Appl
29	29	29.0	20	15	US-10-239-103-78	Sequence 78, Appl
30	28.5	28.5	20	14	US-10-299-043-18	Sequence 18, Appl
31	28	28.0	10	9	US-09-891-823-136	Sequence 136, App
32	28	28.0	10	14	US-10-365-908-136	Sequence 136, App
33	28	28.0	10	16	US-10-871-138-136	Sequence 136, App
34	28	28.0	11	15	US-10-601-953-473	Sequence 473, App
35	28	28.0	12	15	US-10-601-953-474	Sequence 474, App
36	28	28.0	13	14	US-10-075-846-19	Sequence 19, Appl
37	28	28.0	13	14	US-10-075-846-33	Sequence 33, Appl
38	28	28.0	13	15	US-10-601-953-463	Sequence 463, App
39	28	28.0	13	15	US-10-601-953-475	Sequence 475, App
40	28	28.0	14	15	US-10-245-871-543	Sequence 543, App
41	28	28.0	14	15	US-10-253-286-543	Sequence 543, App
42	28	28.0	14	15	US-10-601-953-476	Sequence 476, App
43	28	28.0	15	14	US-10-221-125-30	Sequence 30, Appl
44	28	28.0	15	15	US-10-285-394-11	Sequence 11, Appl
45	28	28.0	15	15	US-10-601-953-464	Sequence 464, App

ALIGNMENTS

RESULT 1

US-10-354-240-82
; Sequence 82, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT FILING DATE: 2003-01-29
; CURRENT APPLICATION NUMBER: US/10/354,240
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 82
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 68
US-10-354-240-82

Query Match 70.0%; Score 70; DB 14; Length 15;
Best Local Similarity 93.3%; Pred. No. 0.0002;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 PQLTKNAGVLTCSLS 20
| | | | | | | | | |
Db 1 PQLTKNAGVLTCSLS 15

RESULT 2

US-10-354-240-81
; Sequence 81, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67
US-10-354-240-81

Query Match 67.0%; Score 67; DB 14; Length 15;
Best Local Similarity 86.7%; Pred. No. 0.00064;
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAAPQLTKNAGVL 15
| | | | | | | | | |
Db 1 NGNATPQLTKNAGVL 15

RESULT 3

US-10-354-240-83
; Sequence 83, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 83
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 69
US-10-354-240-83

Query Match 54.0%; Score 54; DB 14; Length 15;
Best Local Similarity 91.7%; Pred. No. 0.086;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 TKNAGVLTCSLS 20
| | | | | | | | | |
Db 1 TKNAGVLTCSLS 12

RESULT 4

US-10-354-240-80
; Sequence 80, Application US/10354240
; Publication No. US20030185847A1
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103D1
; CURRENT APPLICATION NUMBER: US/10/354,240
; CURRENT FILING DATE: 2003-01-29
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; PRIOR APPLICATION NUMBER: US 09/142,524
; PRIOR FILING DATE: 1998-09-09
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 80
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 66
US-10-354-240-80

Query Match 43.0%; Score 43; DB 14; Length 15;
Best Local Similarity 80.0%; Pred. No. 5.5;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAAPQLTK 10
| | | | | | | | | |
Db 6 NGNATPQLTK 15

RESULT 5

US-10-480-441-8
; Sequence 8, Application US/10480441
; Publication No. US20050054016A1
; GENERAL INFORMATION:
; APPLICANT: Armbruster, Franz Paul
; APPLICANT: Karmatschek, Markus
; APPLICANT: Paulsson, Mats
; TITLE OF INVENTION: DETERMINATION OF BONE-SIALOPROTEIN IN BODILY FLUIDS FOR ONCOLOGICAL
; FILE REFERENCE: 0756-0122P
; CURRENT APPLICATION NUMBER: US/10/480,441
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: EP 01114388
; PRIOR FILING DATE: 2001-06-13
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-480-441-8

Query Match 32.0%; Score 32; DB 17; Length 15;

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Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GSAAPOLTKNAG 13
Db 3 GLAAIQLPKKAG 14

RESULT 6
US-10-480-441-11
; Sequence 11, Application US/10480441
; Publication No. US20050054016A1
; GENERAL INFORMATION:
; APPLICANT: Armbruster, Franz Paul
; APPLICANT: Karmatschek, Markus
; APPLICANT: Paulsson, Mats
; TITLE OF INVENTION: DETERMINATION OF BONE-SIALOPROTEIN IN BODILY FLUIDS FOR ONCOLOGIC
; FILE REFERENCE: 0756-0122P
; CURRENT APPLICATION NUMBER: US/10/480,441
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: EP 0114388
; PRIOR FILING DATE: 2001-06-13
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-480-441-11

Query Match 32.0%; Score 32; DB 17; Length 15;
Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GSAAPOLTKNAG 13
Db 3 GLAAIQLPKKAG 14

RESULT 7
US-10-480-465-1
; Sequence 1, Application US/10480465
; Publication No. US20050069547A1
; GENERAL INFORMATION:
; APPLICANT: Armbruster, Franz Paul
; APPLICANT: Karmatschek, Markus
; APPLICANT: Nader, Werner
; APPLICANT: Forsmann, Ulf Jorg
; APPLICANT: Paulsson, Mats
; TITLE OF INVENTION: MEDICAMENT FOR TREATING TUMORS AND THEIR METASTASES
; FILE REFERENCE: 0756-123P
; CURRENT APPLICATION NUMBER: US/10/480,465
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/EP02/06456
; PRIOR FILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-480-465-1

Query Match 32.0%; Score 32; DB 17; Length 15;
Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GSAAPOLTKNAG 13
Db 3 GLAAIQLPKKAG 14

RESULT 8
US-10-480-465-7
; Sequence 7, Application US/10480465
; Publication No. US20050069547A1
; GENERAL INFORMATION:
; APPLICANT: Armbruster, Franz Paul
; APPLICANT: Karmatschek, Markus
; APPLICANT: Nader, Werner
; APPLICANT: Forsmann, Ulf Jorg
; APPLICANT: Paulsson, Mats
; APPLICANT: Berger, Martin R.
; TITLE OF INVENTION: MEDICAMENT FOR TREATING TUMORS AND THEIR METASTASES
; FILE REFERENCE: 0756-123P
; CURRENT APPLICATION NUMBER: US/10/480,465
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/EP02/06456
; PRIOR FILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-480-465-7

Query Match 32.0%; Score 32; DB 17; Length 15;
Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GSAAPOLTKNAG 13
Db 3 GLAAIQLPKKAG 14

RESULT 9
US-10-480-465-10
; Sequence 10, Application US/10480465
; Publication No. US20050069547A1
; GENERAL INFORMATION:
; APPLICANT: Armbruster, Franz Paul
; APPLICANT: Karmatschek, Markus
; APPLICANT: Nader, Werner
; APPLICANT: Forsmann, Ulf Jorg
; APPLICANT: Paulsson, Mats
; APPLICANT: Berger, Martin R.
; TITLE OF INVENTION: MEDICAMENT FOR TREATING TUMORS AND THEIR METASTASES
; FILE REFERENCE: 0756-123P
; CURRENT APPLICATION NUMBER: US/10/480,465
; CURRENT FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/EP02/06456
; PRIOR FILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-480-465-10

Query Match 32.0%; Score 32; DB 17; Length 15;
Best Local Similarity 66.7%; Pred. No. 3.5e+02;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GSAAPOLTKNAG 13
Db 3 GLAAIQLPKKAG 14

RESULT 10
US-10-193-477-39
; Sequence 39, Application US/10193477
; Publication No. US20030195163A1
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; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING THREE NOVEL HUMAN CELL SURFACE PROTEINS
; TITLE OF INVENTION: LEUCINE RICH REPEATS AND IMMUNOGLOBULIN FOLDS, BGS2, 3, AND 4,
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: D0153 NP
; CURRENT APPLICATION NUMBER: US/10/193,477
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: US 60/304,888
; PRIOR FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: US 60/372,147
; PRIOR FILING DATE: 2002-04-12
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-193-477-39

Query Match          30.5%; Score 30.5; DB 14; Length 18;
Best Local Similarity 41.2%; Pred. No. 7.6e+02;
Matches 7; Conservative 3; Mismatches 4; Indels 3; Gaps 1;

QY 4 AAPQTKNAGVLTCILS 20
Db 5 ARPQ---DSGTVCVAS 18

RESULT 11
US-10-488-662-51
; Sequence 51, Application US/10488662
; Publication No. US20050020494A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; TITLE OF INVENTION: Modified Human Growth Hormone
; FILE REFERENCE: MER-127
; CURRENT APPLICATION NUMBER: US/10/488,662
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: PCT/EP02/09716
; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: EP 01121153.9
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-488-662-51

Query Match          30.0%; Score 30; DB 17; Length 13;
Best Local Similarity 60.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 8 LTKNAGVLTC 17
Db 3 LKKNYGLLYC 12

RESULT 12
US-10-488-662-52
; Sequence 52, Application US/10488662
; Publication No. US20050020494A1
; GENERAL INFORMATION:
; APPLICANT: Carr, Francis J.
; APPLICANT: Carter, Graham
; TITLE OF INVENTION: Modified Human Growth Hormone
; FILE REFERENCE: MER-127
; CURRENT APPLICATION NUMBER: US/10/488,662
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: PCT/EP02/09716
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; PRIOR FILING DATE: 2002-08-30
; PRIOR APPLICATION NUMBER: EP 01121153.9
; PRIOR FILING DATE: 2001-09-04
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-488-662-52

Query Match          30.0%; Score 30; DB 17; Length 13;
Best Local Similarity 60.0%; Pred. No. 6.3e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 8 LTKNAGVLTC 17
Db 2 LKKNYGLLYC 11

RESULT 13
US-10-107-532-6027
; Sequence 6027, Application US/10107532
; Publication No. US20040003418A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc.
; APPLICANT: Jakobovits, Aya
; APPLICANT: Paris, Mary
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Morrison, Robert Kendall
; APPLICANT: Hubert, Rene S.
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Ge, Wangmao
; APPLICANT: Raitano, Arthur
; APPLICANT: Challita-Bid, Pia M.
; TITLE OF INVENTION: Nucleic Acid and Corresponding Protein
; FILE REFERENCE: Entitled 158F3D2 Useful in Treatment and Detection of Cancer
; CURRENT APPLICATION NUMBER: US/10/107,532
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/283,112
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/286,630
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 6321
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6027
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-107-532-6027

Query Match          30.0%; Score 30; DB 15; Length 15;
Best Local Similarity 46.2%; Pred. No. 7.4e+02;
Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 NGSAAAPQLTKNAG 13
Db 3 NGKADPYVVVSAG 15

RESULT 14
US-10-801-988-9
; Sequence 9, Application US/10801988
; Publication No. US20050026231A1
; GENERAL INFORMATION:
; APPLICANT: GEORGES, ELIAS
; APPLICANT: SERFASS, LUCILE
; APPLICANT: BONNEAU, ANNE-MARIE
; APPLICANT: DALLAIRE, FREDERIC
; TITLE OF INVENTION: TRIOSPHOSPHATE ISOMERASE DIRECTED DIAGNOSTICS AND
; FILE REFERENCE: THERAPEUTICS FOR MULTIDRUG RESISTANT NEOPLASTIC DISEASE
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; CURRENT APPLICATION NUMBER: US/10/801,988
; CURRENT FILING DATE: 2004-03-15
; PRIOR APPLICATION NUMBER: 60/455,005
; PRIOR FILING DATE: 2003-03-14
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-801-988-9

Query Match 30.0%; Score 30; DB 17; Length 18;
Best Local Similarity 42.9%; Pred.No. 9.1e+02;
Matches 6; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 5 APQTRNAGVLTCT 18
Db 2 AHAAEGLGVACI 15

RESULT 15

US-09-864-761-48069
; Sequence 48069, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 48069
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC009613.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
US-09-864-761-48069

Query Match 30.0%; Score 30; DB 9; Length 20;
Best Local Similarity 54.5%; Pred.No. 1e+03;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 7 QLTKNAGVLTCT 17
Db 3 QLHKQKGYLSC 13

Search completed: June 20, 2005, 16:29:59
Job time : 73.4 secs

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OM protein - protein search, using sw model

Run on: June 20, 2005, 14:22:28 ; Search time 21.6 Seconds
(without alignments)
69.120 Million cell updates/sec

Title: US-09-202-464-36

Perfect score: 100

Sequence: 1 NCSAAPQLTKNAGVLTCLLS 20

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Maximum DB seq length: 20

Post-processing: Minimum Match 0%
Maximum Match 100%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	87	87.0	20	3 US-08-467-023-59	Sequence 59, Appl
2	70	70.0	15	4 US-09-142-524D-82	Sequence 82, Appl
3	67	67.0	15	4 US-09-142-524D-81	Sequence 81, Appl
4	54	54.0	15	4 US-09-142-524D-83	Sequence 83, Appl
5	44	44.0	13	3 US-08-467-023-60	Sequence 60, Appl
6	43	43.0	15	4 US-09-142-524D-80	Sequence 80, Appl
7	43	43.0	16	3 US-08-467-023-19	Sequence 19, Appl
8	43	43.0	20	3 US-08-467-023-58	Sequence 58, Appl
9	42	42.0	16	2 US-08-773-008-4	Sequence 4, Appl
10	30	30.0	14	1 US-07-961-724C-5	Sequence 5, Appl
11	30	30.0	17	3 US-08-160-604-4	Sequence 4, Appl
12	29	29.0	15	4 US-09-490-702B-25	Sequence 25, Appl
13	28.5	28.5	20	3 US-08-637-226-12	Sequence 12, Appl
14	28.5	28.5	20	4 US-09-537-226-18	Sequence 18, Appl
15	28	28.0	9	2 US-08-340-283-101	Sequence 101, App
16	28	28.0	10	4 US-10-365-908-136	Sequence 136, App
17	28	28.0	14	1 US-08-057-167-15	Sequence 15, Appl
18	28	28.0	14	5 PCT-US93-05413-15	Sequence 15, Appl
19	28	28.0	16	4 US-09-461-325-431	Sequence 431, App
20	28	28.0	16	4 US-10-012-542-431	Sequence 431, App
21	28	28.0	16	4 US-10-115-123-431	Sequence 431, App
22	28	28.0	18	3 US-08-014-012C-2	Sequence 2, Appl
23	28	28.0	19	3 US-08-522-269B-10	Sequence 10, Appl
24	28	28.0	19	3 US-09-294-923-10	Sequence 10, Appl
25	28	28.0	20	3 US-08-899-279-6	Sequence 6, Appl
26	28	28.0	20	4 US-08-899-279-6	Sequence 6, Appl
27	28	28.0	20	4 US-09-178-093B-6	Sequence 6, Appl

28 28 28.0 20 4 US-10-047-403-6 Sequence 6, Appl
29 27 27.0 13 1 US-08-089-994A-23 Sequence 23, Appl
30 27 27.0 13 5 PCT-US94-07605-23 Sequence 23, Appl
31 27 27.0 14 3 US-09-120-365-35 Sequence 35, Appl
32 27 27.0 14 3 US-09-515-039-35 Sequence 35, Appl
33 27 27.0 14 3 US-08-990-888-9 Sequence 9, Appl
34 27 27.0 16 2 US-08-312-202B-4 Sequence 4, Appl
35 27 27.0 16 3 US-09-079-347-4 Sequence 4, Appl
36 27 27.0 16 3 US-09-075-725-4 Sequence 4, Appl
37 27 27.0 16 3 US-08-809-646-4 Sequence 4, Appl
38 27 27.0 16 5 PCT-US95-12433-4 Sequence 16, Appl
39 27 27.0 18 3 US-08-812-121-16 Sequence 16, Appl
40 27 27.0 18 3 US-09-403-672-16 Sequence 16, Appl
41 26.5 26.5 18 1 US-08-159-340A-14 Sequence 14, Appl
42 26.5 26.5 19 4 US-09-441-502B-94 Sequence 94, Appl
43 26 26.0 8 2 US-08-666-473-1 Sequence 1, Appl
44 26 26.0 9 2 US-08-340-283-64 Sequence 64, Appl
45 26 26.0 9 2 US-08-340-283-71 Sequence 71, Appl

ALIGNMENTS

RESULT 1
US-08-467-023-59
; Sequence 59, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From
; TITLE OF INVENTION: Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA
; COUNTRY: USA
; ZIP: 02154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,023
; FILING DATE: June 6, 1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/350,225
; FILING DATE: December 6, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane E. Remillard
; REGISTRATION NUMBER: 38,872
; REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 59:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal

US-08-467-023-59

Query Match 87.0%; Score 87; DB 3; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.4e-08;
Matches 17; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 NGSAAPOLTKNAGVLTCSLS 20
||:|||||
Db 1 NGNATPQLTKNAGVLTCSLS 20

RESULT 2

US-09-142-524D-82
; Sequence 82, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 82
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 68
US-09-142-524D-82

Query Match 70.0%; Score 70; DB 4; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.5e-05;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 POLTKNAGVLTCSLS 20
|||||
Db 1 POLTKNAGVLTCSLS 15

RESULT 3

US-09-142-524D-81
; Sequence 81, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)

; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 67
US-09-142-524D-81

Query Match 67.0%; Score 67; DB 4; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.9e-05;
Matches 13; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAPOLTKNAGVL 15
||:|||||
Db 1 NGNATPQLTKNAGVL 15

RESULT 4

US-09-142-524D-83
; Sequence 83, Application US/09142524D
; Patent No. 6719976
; GENERAL INFORMATION:
; APPLICANT: Sone, Toshio
; APPLICANT: Kume, Akinori
; APPLICANT: Dairiki, Kazuo
; APPLICANT: Iwama, Akiko
; APPLICANT: Kino, Kohsuke
; TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
; FILE REFERENCE: SPO-103
; CURRENT APPLICATION NUMBER: US/09/142,524D
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: PCT/JP97/00740
; PRIOR FILING DATE: 1997-03-10
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 83
; LENGTH: 15
; TYPE: PRT
; ORGANISM: Cryptomeria japonica
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(15)
; OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 69
US-09-142-524D-83

Query Match 54.0%; Score 54; DB 4; Length 15;
Best Local Similarity 91.7%; Pred. No. 0.0087;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 9 TKNAGVLTCSLS 20
|||||
Db 1 TKNAGVLTCSLS 12

RESULT 5

US-08-467-023-60
; Sequence 60, Application US/08467023
; Patent No. 6090386
; GENERAL INFORMATION:
; APPLICANT: Griffith, Irwin J.;
; APPLICANT: Pollock, Joanne;
; APPLICANT: Bond, Julian F.;
; APPLICANT: Garman, Richard D;
; APPLICANT: Kuo, Mei-Chang;
; APPLICANT: Yeung, Siu-mei H.;
; APPLICANT: Brauer, Andrew;
; APPLICANT: Exley, Mark A.;
; APPLICANT: Powers, Steven P.
; TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen
; NUMBER OF SEQUENCES: 261
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
; STREET: 610 Lincoln St
; CITY: Waltham
; STATE: MA USA
; COUNTRY: USA
; ZIP: 02154

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 60:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-60

Query Match 44.0%; Score 44; DB 3; Length 13;
Best Local Similarity 90.0%; Pred. No. 0.4;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 11 NAGVLTCILS 20
Db 1 NAGVLTCILS 10

RESULT 6
US-09-142-524D-80
Sequence 80, Application US/09142524D
Patent No. 6719976
GENERAL INFORMATION:
APPLICANT: Sone, Toshio
APPLICANT: Kume, Akinori
APPLICANT: Dairiki, Kazuo
APPLICANT: Iwama, Akiko
APPLICANT: Kino, Kohsuke
TITLE OF INVENTION: Peptide-Based Immunotherapeutic Agent for Treating Allergic Disease
FILE REFERENCE: SPO-103
CURRENT APPLICATION NUMBER: US/09/142,524D
CURRENT FILING DATE: 1998-09-09
PRIOR APPLICATION NUMBER: PCT/JP97/00740
PRIOR FILING DATE: 1997-03-10
NUMBER OF SEQ ID NOS: 174
SOFTWARE: PatentIn version 3.1
SEQ ID NO 80
LENGTH: 15
TYPE: PPT
ORGANISM: Cryptomeria japonica
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(15)
OTHER INFORMATION: Cryj1 peptide, Figure 1, Row 66
US-09-142-524D-80

Query Match 43.0%; Score 43; DB 4; Length 15;
Best Local Similarity 80.0%; Pred. No. 0.7;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAPOLTK 10
Db 6 NGNATPOLTK 15

RESULT 7
US-08-467-023-19
Sequence 19, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Cryptomeria japonica
US-08-467-023-19

Query Match 43.0%; Score 43; DB 3; Length 16;
Best Local Similarity 80.0%; Pred. No. 0.75;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAPOLTK 10
Db 7 NGNATPOLTK 16

RESULT 8
US-08-467-023-58
Sequence 58, Application US/08467023
Patent No. 6090386
GENERAL INFORMATION:
APPLICANT: Griffith, Irwin J.;
APPLICANT: Pollock, Joanne;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;

APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Exley, Mark A.;
APPLICANT: Powers, Steven P.
TITLE OF INVENTION: Allergenic Proteins And Peptides From
NUMBER OF SEQUENCES: 261
CORRESPONDENCE ADDRESS:
ADDRESS: Immunologic Pharmaceutical Corporation, Inc.
STREET: 610 Lincoln St
CITY: Waltham
STATE: MA
COUNTRY: USA
ZIP: 02154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,023
FILING DATE: June 6, 1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/350,225
FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
REGISTRATION NUMBER: 38,872
REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-08-467-023-58

Query Match 43.0%; Score 43; DB 3; Length 20;
Best Local Similarity 80.0%; Pred. No. 0.99;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NGSAAPOLTK 10
||| |||||
Db 11 NGNATPOLTK 20

RESULT 9
US-08-773-008-4
Sequence 4, Application US/08773008
Patent No. 5874401
GENERAL INFORMATION:
APPLICANT: SANOU, Osamu
APPLICANT: HINO, Katsuhiko
APPLICANT: KURIMOTO, Masashi
TITLE OF INVENTION: PROTEIN, PROCESS TO PRODUCE THE SAME,
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/773,008
FILING DATE: 24-DEC-1996
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/354,815
FILING DATE: 08-DEC-1994
APPLICATION NUMBER: JP 347017
FILING DATE: 27-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: FUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: SANOU=1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-773-008-4

Query Match 42.0%; Score 42; DB 2; Length 16;
Best Local Similarity 80.0%; Pred. No. 1.1;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 NGSAAPOLTK 10
||| |||||
Db 7 NGXATPOLTK 16

RESULT 10
US-07-961-724C-5
Sequence 5, Application US/07961724C
Patent No. 5541078
GENERAL INFORMATION:
APPLICANT: FACON, BRIGITTE
APPLICANT: CHAMEKH, MUSTAPHA
APPLICANT: DISSOUS, COLETTE
APPLICANT: CAPRON, ANDRE
APPLICANT: TARTAR, ANDRE
APPLICANT: GRAS-MASSE, HELENE
TITLE OF INVENTION: IMMUNOGENIC PEPTIDE SEQUENCE OF
TITLE OF INVENTION: ECHINOCOCCUS GRANULOSUS, DNA SEQUENCE CODING FOR THIS
TITLE OF INVENTION: PEPTIDE SEQUENCE AND DIAGNOSTIC AND THERAPEUTIC
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/961.724C
FILING DATE: 10-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 90/08900
FILING DATE: 12-JUL-1990

ATTORNEY/AGENT INFORMATION:
NAME: Oblon, No. 5541078man P.
REGISTRATION NUMBER: 24, 618
REFERENCE/DOCKET NUMBER: 660-065-0X PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-07-961-724C-5

Query Match 30.0%; Score 30; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 AAPQSTK 10
DB 8 AAPQSTK 14

RESULT 11

US-08-160-604-4
Sequence 4, Application US/08160604
Patent No. 6232522

GENERAL INFORMATION:

APPLICANT: Harley, John
APPLICANT: James, Judith A.
APPLICANT: Scofield, R. H.
TITLE OF INVENTION: PEPTIDE INDUCTION OF AUTOIMMUNITY AND CLINICAL SYMPTOMATOLOGY
NUMBER OF SEQUENCES: 127
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrea L. Pabst
STREET: 1100 Peachtree Street, Suite 2800
CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/160,604
FILING DATE: 30-NOV-1993
CLASSIFICATION: 424

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/867,819
FILING DATE: 13-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/648,205
FILING DATE: 31-JAN-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/472,947
FILING DATE: 31-JAN-1990

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: OMR114CIP(3)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404)-815-6508
TELEFAX: (404)-815-6555
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-160-604-4

Query Match 30.0%; Score 30; DB 3; Length 17;
Best Local Similarity 50.0%; Pred. No. 1.5e+02;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 8 LTKNAGVLTTC 17
DB 8 LLRNIGKMTTC 17

RESULT 12

US-09-490-702B-25
Sequence 25, Application US/09490702B
Patent No. 6560542

GENERAL INFORMATION:

APPLICANT: Mandell, Arnold
APPLICANT: Selz, Karen
APPLICANT: Shlesinger, Michael
TITLE OF INVENTION: Algorithmic Design of Peptides for Binding and/or Modulation of ty
FILE REFERENCE: Functions of Receptors and/or Other Proteins
CURRENT APPLICATION NUMBER: US/09/490,702B
CURRENT FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 96
SOFTWARE: Patent in version 3.0
SEQ ID NO 25
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: synthetic
US-09-490-702B-25

Query Match 29.0%; Score 29; DB 4; Length 15;
Best Local Similarity 60.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 3 SAAPOLTKNA 12
DB 5 SADPRIHKNA 14

RESULT 13

US-08-837-226-12
Sequence 12, Application US/08837226
Patent No. 6043216

GENERAL INFORMATION:

APPLICANT: Toback, F. Gary
APPLICANT: Lieske, John C.
TITLE OF INVENTION: METHODS AND COMPOSITION FOR DETECTING
TITLE OF INVENTION: AND TREATING KIDNEY DISEASES ASSOCIATED WITH ADHESION OF
TITLE OF INVENTION: CRYSTALS TO KIDNEY CELLS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: BRINKS, HOFER, GILSON & LIONE
STREET: NBC Tower - Suite 3600, 455 N. Cityfront
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60611-5599
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,226
; FILING DATE: 08-APR-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/389,005
; FILING DATE: 15-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Martin, Alice O.
; REGISTRATION NUMBER: 35,601
; REFERENCE/DOCKET NUMBER: 7814/24
; TELEPHONE: 312-321-4200
; TELEFAX: 312-321-4299
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-837-226-12

Query Match 28.5%; Score 28.5; DB 3; Length 20;
Best Local Similarity 53.3%; Pred. No. 3.2e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 2 GSAAPQ-LTKNAGVL 15
|: ||| : |||
DB 6 GATLPQPLYQTAGVL 20

RESULT 14
US-09-537-226-18
; Sequence 18, Application US/09537226
; Patent No. 6482934
; GENERAL INFORMATION:
; APPLICANT: TOBACK, F. GARY
; APPLICANT: LIESKE, JOHN C.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTING AND TREATING
; TITLE OF INVENTION: KIDNEY DISEASES ASSOCIATED WITH ADHESION OF CRYSTALS TO
; TITLE OF INVENTION: KIDNEY CELLS
; FILE REFERENCE: 21459/90606
; CURRENT APPLICATION NUMBER: US/09/537,226
; CURRENT FILING DATE: 2000-03-28
; PRIOR APPLICATION NUMBER: 08/389,005
; PRIOR FILING DATE: 1995-02-15
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Comparison
; OTHER INFORMATION: sequence
; US-09-537-226-18

Query Match 28.5%; Score 28.5; DB 4; Length 20;
Best Local Similarity 53.3%; Pred. No. 3.2e+02;
Matches 8; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 2 GSAAPQ-LTKNAGVL 15
|: ||| : |||
DB 6 GATLPQPLYQTAGVL 20

RESULT 15
US-08-340-283-101
; Sequence 101, Application US/08340283

; Patent No. 5861318
; GENERAL INFORMATION:
; APPLICANT: Elhammer, Ake P.
; TITLE OF INVENTION: A SCINTILLATION PROXIMITY ASSAY FOR
; TITLE OF INVENTION: N-ACETYLGALACTOSAMINYLTRANSFERASE ACTIVITY
; NUMBER OF SEQUENCES: 205
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pharmacia and Upjohn, Inc., Intellect. Prop. Law
; ADDRESS: (1920-32-1)
; STREET: 301 Henrietta Street
; CITY: Kalamazoo
; STATE: Michigan
; COUNTRY: U.S.A.
; ZIP: 49001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,283
; FILING DATE:
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Wootton, Thomas A.
; REGISTRATION NUMBER: 35,004
; REFERENCE/DOCKET NUMBER: 4828
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (616) 385-7914
; TELEFAX: (616) 385-6897
; TELEX: 224401
; INFORMATION FOR SEQ ID NO: 101:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; US-08-340-283-101

Query Match 28.0%; Score 28; DB 2; Length 9;
Best Local Similarity 55.6%; Pred. No. 4.1e+05;
Matches 5; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 5 APOLTKNAG 13
||| : |||
DB 1 APATTRNTG 9

Search completed: June 20, 2005, 16:00:55
JOB time : 22.6 secs